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Table of Contents

1.	Intr	oduction6
	1.1	System Overview
	1.2	Features7
	1.3	ExpansE Web Application
	1.4	ExClouds Reports Production Software
2.	Tec	hnical Specifications9
	2.1	EXP-1032 Networked Controller9
	2.2	EXP-2024 Dual Reader Door Unit9
	2.3	EXP-2016 16 Relay Elevator Control Unit10
	2.4	EXP-2088 – 8-Inputs/Outputs Interface
	2.5	System Environmental Characteristics11
3.	Exp	oansE Architecture12
	3.1	Central versus Distributed Topology12
	3.2	ExpansE Distributed Access Control13
	3.3	ExpansE Mounting Options
	3.4	ExpansE Hardware Units18EXP-1032 ExpansE Networked Controller18EXP-2024 Dual Reader Door Unit19EXP-2016 16 Relay Elevator Control Unit19EXP-2088 – 8-Inputs/Outputs Interface Unit20
	3.5	Reports Production and Backup Software
	3.6	Card Readers and Keypads20
4.	Har	dware Installation21
	4.1	Wiring Instructions

		EXP-1032 ExpansE Networked Controller
	4.2	ME-00 9 Boards Tray Cabinet Housing Wiring
	4.3	Power Supply
	4.4	RS-485 Daisy Chain
	4.5	Inputs and outputs 31 Input Types 31 Normally Open Input Connection: 31 Normally Closed Input Connection: 32 Normally Open Supervised Single Resistor Input Connection: 32 Normally Open Supervised Double Resistor Input Connection: 33 Normally Closed Supervised Double Resistor Input Connection: 34 Supervised Double Resistor Input Connection: 35 Request to Exit Button (REX) Input 35 Door Monitor Input 36 Output Description 36 Door Lock – Power Enabled Output 36 Elevator – Non-power Output 36
	4.6	Output Wiring
	4.7	Mounting38ME-01 Single Board Self Powered Metal Enclosure38ME-12 Single Board Self Powered Plastic Enclosure41ME-14 Compact Single Board Self Powered Enclosure44ME-00 9 Boards Tray Cabinet Housing45
	4.8	DIP Switch Configuration
5.	Сог	mmunications50
6 .	The	ExpansE WEB Application51
	6.1	Initial PC Configuration51
	6.2	Initial Access and Network Settings56
	6.3	The ExpansE main window

	6.4	Tree View	
		Maps	
		Timing	
		Groups	60
		Automation	
		Event log filter	
		Cards Departments and Visitors	
		Operators	
	6.5	Toolbar	
		General Icons	
		Event type Icon	
	6.6	Menu Bar	
		Homepage	
		Logout	
		Help Menu	
	6.7	Event Log	53
7.	••••	event Log	
7.	••••	ů –	54
7.	Hov	v to Set Up a Site	54 55
7.	Hov 7.1	v to Set Up a Site	5 4 55
7.	Hov 7.1 7.2	v to Set Up a Site	5 4 55 56 58
7.	Hov 7.1 7.2 7.3	v to Set Up a Site	5 4 55 56 58 59
7.	Hov 7.1 7.2 7.3 7.4	v to Set Up a Site	54 55 56 58 59 59
7.	Hov 7.1 7.2 7.3 7.4 7.5	v to Set Up a Site	54 55 56 58 59 59 71
7.	Hov 7.1 7.2 7.3 7.4 7.5 7.6	v to Set Up a Site	54 55 56 58 59 71 73
7.	Hov 7.1 7.2 7.3 7.4 7.5 7.6 7.7	v to Set Up a Site	54 55 56 58 59 71 73 77
7.	Hov 7.1 7.2 7.3 7.4 7.5 7.6 7.7 7.8 7.9	v to Set Up a Site	54 55 56 58 59 71 73 77 79
7.	Hov 7.1 7.2 7.3 7.4 7.5 7.6 7.7 7.8 7.9 7.10	v to Set Up a Site	54 55 56 58 59 71 73 77 79 31
7.	Hov 7.1 7.2 7.3 7.4 7.5 7.6 7.7 7.8 7.9 7.10 7.11	v to Set Up a Site	54 55 56 58 59 71 73 77 79 31 33

	7.14	Defining Cards	. 86
	7.15	Defining Departments and Users	. 87
	7.16	Defining Visitors	.92
	7.17	' Setting Event Log Filters	. 95
	7.18	Defining Operators	.96
8.	Сог	nfiguration Wizards	98
	8.1	Customized Automation Wizard	. 98
	8.2	Create Users Wizard	102
	8.3	Create Visitors Wizard	107
	8.4	Doors Wizard	113
	8.5	Groups Wizard Access Groups	119
		Input Groups Output Groups	
		Elevators Groups	
9.	Ма	nual Operation1	27
9.		nual Operation1 Manual Door Control	
	9.1	-	127
	9.1 . ExC	Manual Door Control	127 1 28
	9.1 . ExC 10.1	Manual Door Control1 Clouds PC Set-Up	127 1 28 128
	9.1 ExC 10.1 10.2	Manual Door Control	127 1 28 128 128
10	9.1 . ExC 10.1 10.2 10.3	Manual Door Control	127 1 28 128 128 132
10	9.1 • ExC 10.1 10.2 10.3 • Rep	Manual Door Control	127 128 128 128 132 1 35
10	9.1 • ExC 10.1 10.2 10.3 • Rep 11.1	Manual Door Control 1 Clouds PC Set-Up 1 Minimum Requirements 1 ExClouds Software Installation 1 ExClouds Setup 1 Dorts Wizard 1	127 1 28 128 132 1 35 135
10	9.1 10.1 10.2 10.3 . Rep 11.1	Manual Door Control 1 Clouds PC Set-Up 1 Minimum Requirements 1 ExClouds Software Installation 1 ExClouds Setup 1 Dorts Wizard 1 Initiating the Report Wizard 1	127 1 28 128 132 135 135 136
10	9.1 10.1 10.2 10.3 . Rep 11.1 11.2 11.3	Manual Door Control 1 Clouds PC Set-Up 1 Minimum Requirements 1 2 ExClouds Software Installation 1 3 ExClouds Setup 1 4 ExClouds Setup 1 5 orts Wizard 1 1 Initiating the Report Wizard 1 2 Creating Roll Call Reader Report 1	127 1 28 128 128 132 135 135 136
10	9.1 10.1 10.2 10.3 Rep 11.1 11.2 11.3	Manual Door Control 1 Clouds PC Set-Up 1 Minimum Requirements 1 ExClouds Software Installation 1 ExClouds Setup 1 Dorts Wizard 1 Initiating the Report Wizard 1 2 Creating Roll Call Reader Report 1 3 Creating Last Known Position Report 1	127 128 128 132 135 135 136 138
10	9.1 10.1 10.2 10.3 Rep 11.1 11.2 11.3 11.4	Manual Door Control 1 Clouds PC Set-Up 1 Minimum Requirements 1 2 ExClouds Software Installation 1 3 ExClouds Setup 1 borts Wizard 1 Initiating the Report Wizard 1 2 Creating Roll Call Reader Report 1 3 Creating Last Known Position Report 1 4 Creating System Report 1	127 128 128 128 132 135 135 136 138 138

1. Introduction

The ExpansE access control system is a state-of-the-art networked access control system with a web based management and control application.

The ExpansE system consists of the following components:

- EXP-1032 Expanse Networked Controller with onboard web based application
- EXP-2024 Dual Reader Door unit
- EXP-2016 16 relay Elevator Control unit
- EXP-2088 8-Inputs/Outputs Interface Unit

1.1 System Overview

The ExpansE system's control panel does not include any onboard terminals, but instead holds a powerful processing unit as well as high-capacity network communication capabilities, which allows TCP/IP network communication via its on-board TCP/IP interface.

The system components provide all of the necessary door connections such as reader ports, lock outputs and signaling inputs, as well additional inputs and outputs for various access control applications.

Due to the component structure of the system, the various components may be installed in many variations and topologies according to the specific needs of the installation site.

The platform, since not dedicated and limited to enclosed number of doors, can be used for further processing and applications such as security, automation and others.

Targeted for the medium to large installations, this topology brings forth a solution benefiting from:

- Significantly higher capacities.
- Flexible installation.

Pure processing central units, not limited by physical limitations, such as a maximum number of onboard readers, make it highly flexible for various applications, both

Introduction

for the initial layout and for future additions, such as door interfaces with various formats, IO interfaces and smart management, security management, elevator control, native support for video interfaces etc. This type of layout also supports easy future upgrading as only firmware upgrades are required.

• The EXPANSE IP also includes on-board support for communications across a TCP/IP network.

1.2 Features

The ExpansE is a powerful and adaptable access control solution with a wide range of features.

- Up to 2,048 Main Units connected via Ethernet
- Each Main Unit can have up to 32 End Units and up to 32 doors (IN/OUT) or 64 readers.
- Each Main Unit can have up to 256 inputs and 512 outputs
- Panel configuration DIP switch
- 128,000 users per Main Unit
- 100,000 history event log per Main Unit
- 512 multi segmented Time Zones and 128 Holidays dates
- RS-232 and RS-485 serial communication
- Ethernet and USB communication ports

1.3 ExpansE Web Application

The ExpansE system utilizes an embedded web based management and supervision application which controls up to 2048 Main Units, (EXP-1032 ExpansE Networked Controller) referred to as MUs, by creating a Master / Slave configuration of all available MUs within the network, each with their associated secondary units, referred to as End Units (EUs).

Configurable Links

The system's configurable links model makes it possible to trigger any chosen output such as triggering an alarm siren, based on a signal from a selected input. This allows easy integration with other systems such as intruder alarms and CCTV systems.

ExpansE can also define a selected set of operations (defined in configurable links) when a panel registers a specified user or group of users.

1.4 ExClouds Reports Production Software

The ExClouds is a custom designed reports production software that manages all the reports available in the system. See chapter 11, Reports Wizard, on page 135.

In addition the ExClouds has extensive backup abilities. See chapter 10, ExClouds PC Set-Up, on page 128.

ExClouds Structure

ExClouds PC software operates through a dedicated computer, which communicates with the ExpansE MU.

2. Technical Specifications

2.1 EXP-1032 Networked Controller

Electrical Characteristics

Operating Voltage	12-16VDC 1.5A
	from external DC input connector
Maximum Input	Standby: 150mA @ 12V
Current	Maximum: 1200mA @ 12V
	(Not including attached devices)
Visual Indicators	Power LED
	TCP/IP Speed LED
	TCP/IP Link LED
	TCP/IP Duplex LED
Real-time Clock	CR1225 3V Lithium Battery
Battery	

Communication Characteristics

RS-485	Full-duplex data communication
USB	One USB host
Ethernet	One RJ-45 Ethernet connector
Tamper	Two inputs

2.2 EXP-2024 Dual Reader Door Unit

Operating Voltage12-16VDC @ 1.0AMaximum InputStandby: 150mA @ 12VCurrentMaximum: 1000mA @ 12VGeneral Inputs4 Supervised high impedance inputs and 1 tamper input Maximum voltage: 5VDCRelay Outputs4 Relay outputs 5A Relay (N.O. or N.C.)Reader Ports2 Reader ports Output voltage: 12VDC Max. output current: 300mA LED control output D0/D1, tamper input	Electrical Characteristics		
CurrentMaximum: 1000mA @ 12VGeneral Inputs4 Supervised high impedance inputs and 1 tamper input Maximum voltage: 5VDCRelay Outputs4 Relay outputs 5A Relay (N.O. or N.C.)Reader Ports2 Reader ports Output voltage: 12VDC Max. output current: 300mA	Operating Voltage	12-16VDC @ 1.0A	
General Inputs 4 Supervised high impedance inputs and 1 tamper input Maximum voltage: 5VDC Relay Outputs 4 Relay outputs 5A Relay (N.O. or N.C.) Reader Ports 2 Reader ports Output voltage: 12VDC Max. output current: 300mA	•	,	
and 1 tamper input Maximum voltage: 5VDC Relay Outputs 4 Relay outputs 5A Relay (N.O. or N.C.) Reader Ports 2 Reader ports Output voltage: 12VDC Max. output current: 300mA	Current	Maximum: 1000mA @ 12V	
Relay Outputs4 Relay outputs 5A Relay (N.O. or N.C.)Reader Ports2 Reader ports Output voltage: 12VDC Max. output current: 300mA	General Inputs		
5A Relay (N.O. or N.C.) Reader Ports 2 Reader ports Output voltage: 12VDC Max. output current: 300mA		Maximum voltage: 5VDC	
Reader Ports 2 Reader ports Output voltage: 12VDC Max. output current: 300mA	Relay Outputs	4 Relay outputs	
Output voltage: 12VDC Max. output current: 300mA		5A Relay (N.O. or N.C.)	
Max. output current: 300mA	Reader Ports	2 Reader ports	
		Output voltage: 12VDC	
LED control output D0/D1, tamper input		Max. output current: 300mA	
		LED control output D0/D1, tamper input	

Communication Characteristics

Tamper switches	Front and Back
Visual Indicators	Power LED
Audio	Sounder Output (with BL-D40)
Communication	RS-485
Baud Rate	115200 bps
Unit configuration	8 DIP Switches RS-485 serial address (1-32) Tamper options

2.3 EXP-2016 16 Relay Elevator Control Unit

Electrical Characteristics

Operating Voltage	12-16VDC @ 1.0A
Maximum Input	Standby: 100mA @ 12V
Current	Maximum: 800mA @ 12V
General Inputs	1 Tamper input
	Maximum voltage: 5VDC
Relay Outputs	16 Relay outputs.
	5A Relay (N.O. or N.C.)
Communication	Characteristics
Communication Tamper switches	Characteristics Front and Back
Tamper switches	Front and Back
Tamper switches Visual Indicators	Front and Back Power LED

Tamper options

2.4 EXP-2088 – 8-Inputs/Outputs Interface

Electrical Characteristics		
Operating Voltage	12-16VDC @ 0.5A	
Maximum Input	Standby: 100mA @ 12V	
Current	Maximum: 500mA @ 12V	

RS-485 serial address (1-32)

Electrical Characteristics		
General Inputs	8 Supervised high impedance inputs and1 tamper input Maximum voltage: 5VDC	
Relay Outputs	8 Relay outputs 5A Relay (N.O. or N.C.)	
Communication Characteristics		
Tamper switches	Front and Back	
Visual Indicators	Power LED	
Communication	RS-485	
Baud Rate	115200 bps	
Unit configuration	8 DIP Switches RS-485 serial address (1-32) Tamper options	

2.5 System Environmental Characteristics

- Operating Temp. Range: 32°F 120°F (0°C 49°C)
- Operating Humidity: 0 90% (Non-condensing)

3. ExpansE Architecture

This chapter comes to explain the difference between the various access control topologies with an emphasis on the benefits of the ExpansE topology as well as detailed explanation on the various ExpansE components and enclosures

3.1 Central versus Distributed Topology

Central access control systems typically duplicate the hardware many times in order to cover large applications, and are often expensive, since they involve complicated and costly installation, configuration, networking, and cabling. Furthermore, since multiple controllers must be synchronized, it limits their performance and system capacity.

In a distributed system, the main networked controller unit (EXP-1032) is physically separated from the secondary units that manage the various door elements (such as readers, locks, REX buttons, switches and other I/Os) — substantially reducing cabling work and simplifying the installation process.

Distributed architecture allows systems to expand from a single door to thousands of doors in multiple sites, without unnecessary redundancy, and offers easy integration with external systems such as DVRs, Alarms, and more.

See Figure 1, below for an explanatory comparison between Rosslare's AC-225 networked access control system as a central architecture and that of Rosslare's new ExpansE distributed architecture.



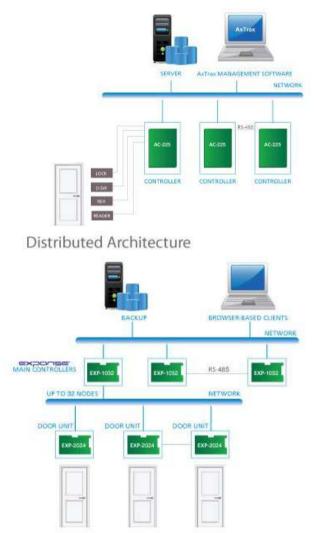


Figure 1: Central versus Distributed Architectures

3.2 ExpansE Distributed Access Control

The ExpansE system supports up to 2,048 Networked controllers (MUs), one designated as the master and the rest as slaves

connected over an Ethernet network, each of these MUs are then connected to various EUs via RS-485 connection.

The ExpansE system offers various EUs including dual reader door unit, an 8- I/O interface, dedicated 16 relay elevator control unit and many more.

Based on distributed architecture, each one of the ExpansE's EUs (e.g., a door or I/O) is physically separated from the MU, which controls up to 32 EUs. Each of the MUs can manage up to 256 inputs, 512 outputs or 32 doors. The panels are controlled by a web based application embedded into the controller and also has an optional server based software.

The ExpansE system also offers several mounting options to best respond to each specific need, be it a small singular box for individual units, a specially designed box which includes an integrated power supply and backup battery, or a rack mount which can hold several MUs, EUs or a combination of both. Figure 2 below, shows an example set-up for a distributed network of the ExpansE access control system.

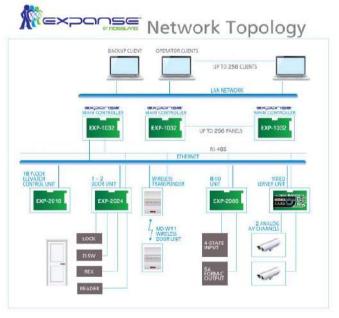


Figure 2: Sample of EXPANSE Configuration

3.3 ExpansE Mounting Options

The ExpansE units come in various mounting options be it as a MU or EU board, or a board mounted in one of several box types as described below.

ME-01 Single Board Self Powered Metal Enclosure

This sturdy, lockable, metal case has room for a single board along with a power supply and backup battery, see Figure 3 below.



Figure 3: ME-01 Single Board Self Powered Metal Enclosure

ME-12 Single Board Self Powered Plastic Enclosure

The ME-12 plastic enclosure holds a single board along with a power supply and backup battery. The wiring ducts and holders secure both the various components and the wiring within the enclosure. The enclosure's lockable door is designed to be easily removed when opened for better access during installation, yet cannot be removed when the door is closed in normal use. See Figure 4 below.



Figure 4: ME-12 Single Board Self Powered Plastic Enclosure

ME-14 Compact Single Board Self Powered Enclosure

The ME-14 is a simple plastic enclosure suited for a singular board. See Figure 5 below.



Figure 5: ME-14 Compact Single Board Self Powered Enclosure

ME-00 9 Boards Tray Cabinet Housing

The ME-00 offers a rack which can hold several MUs, EUs or a combination of both. The rack holds one 14 Ah backup battery as well as a power supply which powers all the connected units. See Figure 6 below.



Figure 6: ME-00 9 Boards Tray Cabinet Housing

3.4 ExpansE Hardware Units

The ExpansE system is comprised of several hardware units, the MU, EXP-1032 ExpansE Networked Controller, and several EUs such as the EXP-2024 Dual Reader Door Unit, EXP-2016 16 relay Elevator Control Unit, and the EXP-2088 – 8-Inputs/Outputs Interface.

EXP-1032 ExpansE Networked Controller



Figure 7: EXP-1032 ExpansE Networked Controller

- Supports 32 EUs, which can include up to 32 doors / 64 readers, up to 256 inputs and 512 outputs, as well as up to 128,000 users per controller
- 100,000 history event log size
- On-board Ethernet, RS-485 and USB (host) 2.0 ports

EXP-2024 Dual Reader Door Unit

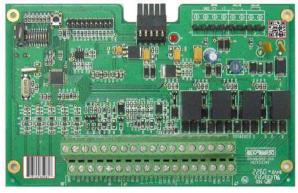


Figure 8: EXP-2024 Dual Reader Door Unit

- 2 reader ports supports Wiegand 26 bits and other standard and non-standard formats
- 4 four-state inputs, 4 form-C relay outputs, and a sounder output
- RS-485 communication ports

EXP-2016 16 Relay Elevator Control Unit

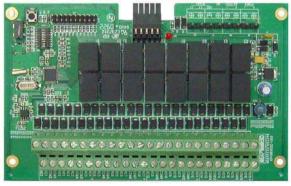


Figure 9: EXP-2016 16 Relay Elevator Control Unit

- 16 Form-C relay outputs, ideal for elevator control applications
- RS-485 communication ports

EXP-2088 - 8-Inputs/Outputs Interface Unit



Figure 10: EXP-2088 – 8-Inputs/Outputs Interface Unit

- 8 four-state inputs and 8 form-C relay outputs
- RS-485 communication ports

3.5 Reports Production and Backup Software

The ExpansE system is complemented with the ExClouds software; see ExClouds PC Set-Up, on page 128 as well as the ExClouds Software manual.

3.6 Card Readers and Keypads

Each Door Unit can be connected to a maximum of two readers. There are four types of readers supported:

- Biometric Readers
- Card readers
- Keypads
- Dual keypad & card readers

A keypad is required for any reader mode that requires PIN code entries, such as "Card or PIN", "PIN Only" or "Card and PIN (Secured mode)".

4. Hardware Installation

Each MU needs to be wired and defined in the web based application along with its associated EUs separately.

4.1 Wiring Instructions

The wiring chapter is divided per units showing the various connections unique to each board, followed by general instructions applicable to several units.

EXP-1032 ExpansE Networked Controller

The EXP-1032 MU board and its components as well as general connections from the MU are shown in Figure 11, below.

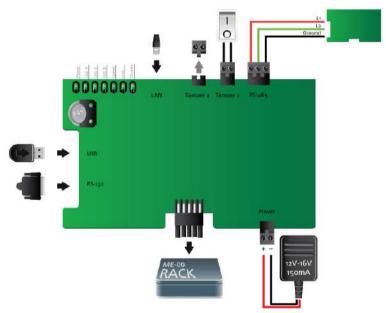


Figure 11: EXP-1032 ExpansE Networked Controller Wiring

To wire the EXP-1032 ExpansE networked controller:

1. Connect a 12-16VDC 1500mA transformer to the power terminal block see Power Supply wiring section on page 30.

- 2. Connect the EUs to the MU using daisy chain methodology, using the RS-485 terminal block. See RS-485 Daisy Chain, on page 30 for detailed instructions.
- 3. When placing the MU into the ME-00 rack mount, remove the Power terminal block and slide the controller into the slot, making sure the ME-00 Molex connector is secured.



Note:

When using the ME-00 rack mount, the power and RS-485 communication connection are received from the rack itself and do not require direct wiring.

- 4. Connect a tamper switch to the tamper input terminal block. See General Purpose Inputs, on page 36.
- 5. Connect the RJ-45 cable to the LAN socket in the wall and the other end to the LAN socket on the MU board.

EXP-2024 Dual Reader Door Unit

The EXP-2024 unit and its components are shown in Figure 12 on page 23, detailed wiring instructions are explained below and shown in Figure 13, on page 25.

When connecting a reader, the following should be defined:

Door 1 – Reader 1 IN
Door 1 – Reader 2 OUT
Door 1 – Reader 1 IN
Door 2 – Reader 2 IN

Use the ExpansE web application to set the readers for single or dual door operation as well as IN or OUT usage. Additionally set the data transmission format for each reader. See Setting a Door controller EU on page 66, and Configuring the Reader on page 69.

The reader's tamper output connects to the access control panel's Reader-Tamper input. If the reader is interfered with, an alarm can be generated.

The panel's Reader G.LED output activates the reader's green LED input when operating in "Card and PIN" secure mode.

While this mode is activated, users must enter a PIN on the keypad immediately after presenting the card.

The controller activates the LED control for 2 seconds when an access granted event occurs.

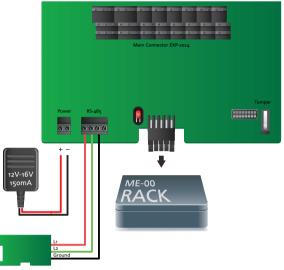


Figure 12: EXP-2024 Dual Reader Door Wiring

To wire the EXP-2024 Dual Reader Door Unit:

- 1. Connect a 12-16VDC 1500mA transformer to the power terminal block see Power Supply wiring section on page 30.
- 2. Connect the RS-485 communication terminal block to the controller using daisy chain methodology. See RS-485 Daisy Chain, on page 30 for detailed instructions.
- 3. When placing the EXP-2024 into the ME-00 rack mount, remove the Power terminal block and slide the controller into the slot, making sure the ME-00 Molex connector is secured.



Note:

When using the ME-00 rack mount, the power and RS-485 communication connection are received from the rack itself and do not require direct wiring. 4. Connect the reader(s) to the EXP-2024 using the table below as reference.

If the tamper output is being utilized, connect the purple wire to the tamper input on the EXP-2024.

Color	Wiegand Output
Red	+DC Input
Black	Ground
White	Data 1 / Clock
Green	Data 0 / Data
Brown	LED/Buzzer Control
Purple	Tamper

- 5. Connect a tamper switch to the tamper input terminal block see General Purpose Inputs, on page 36. There are 4 inputs on the EXP-2024, see Inputs and outputs, on page 31 for detailed wiring instructions and uses.
- 6. There are 4 outputs on the EXP-2024 board that can be used for various applications, see Output Description, on page 36 for detailed wiring instructions and uses.
- 7. You have the option of connecting Rosslare's BLD-40 sounder see the BLD-40 manual for wiring instructions.

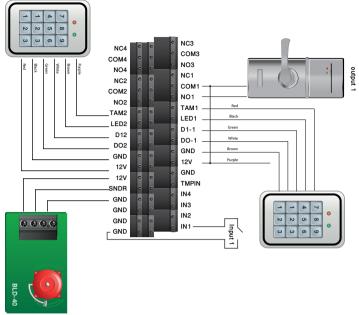
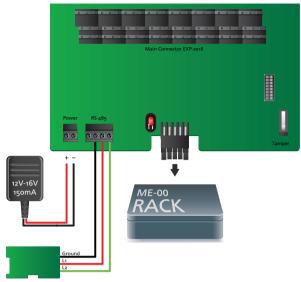


Figure 13: EXP- 2024 Dual Reader Door Unit Wiring Details

EXP-2016 16 Relay Elevator Control Unit

The EXP-2016 board and its components are shown in Figure 14 on page 26, detailed wiring instructions are explained below and shown in Figure 15, on page 27.





To wire the EXP-2016 16 Relay Elevator Control Unit:

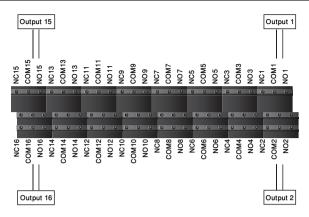
- 1. Connect a 12-16VDC 1500mA transformer to the power terminal block, see Power Supply wiring section on page 30.
- 2. Connect the RS-485 communication terminal block to the EXP-2016 using daisy chain methodology. See RS-485 Daisy Chain, on page 30 for detailed instructions.
- When placing the EXP-2016 into the ME-00 rack mount, remove the Power terminal block and slide the controller into the slot, making sure the ME-00 Molex connector is secured.



Note:

When using the ME-00 rack mount, the power and RS-485 communication connection are received from the rack itself and do not require direct wiring.

4. There are 16 outputs on the EXP-2016 board that can be used for various applications, see Output Description, on page 36 for detailed wiring instructions and uses.





EXP-2088 - 8-Inputs/Outputs Interface

The EXP-2088 and its components are shown in Figure 16 below, detailed wiring instructions are explained below and shown in Figure 17, on page 28.

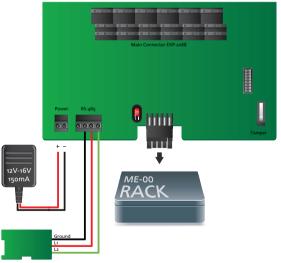


Figure 16: EXP-2088 – 8-Inputs/Outputs Interface Wiring To wire the EXP-2088 8-Inputs/Outputs Interface Unit:

1. Connect a 12-16VDC 1500mA transformer to the power terminal block see Power Supply wiring section on page 30.

- 2. Connect the RS-485 communication terminal block to the EXP-2088 board using daisy chain methodology. See RS-485 Daisy Chain, on page 30 for detailed instructions.
- 3. When placing the EXP-2088 into the ME-00 rack mount, remove the Power terminal block and slide the EXP-2088 into the slot, making sure the ME-00 Molex connector is secured.



Note:

When using the ME-00 rack mount, the power and RS-485 communication connection are received from the rack itself and do not require direct wiring.

- 4. Connect a tamper switch to the tamper input terminal block, see General Purpose Inputs, on page 36. There are 8 inputs on the EXP-2088 board, see Inputs and outputs, on page 31 for detailed wiring instructions and uses.
- 5. There are 8 outputs on the EXP-2088 board that can be used for various applications, see Output Description, on page 36 for detailed wiring instructions and uses.

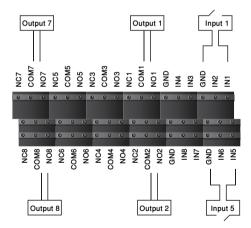


Figure 17: EXP-2088 – 8-Inputs/Outputs Interface Detailed Wiring

4.2 ME-00 9 Boards Tray Cabinet Housing Wiring

The ME-00 9 Boards Tray Cabinet Housing can be used to store several MUs and/or EUs. The Cabinet provides internal RS-485

communication between the units as well as power to each of the connected units.

See the detailed wiring instructions below on wiring the cabinet itself as well as Figure 18, below.

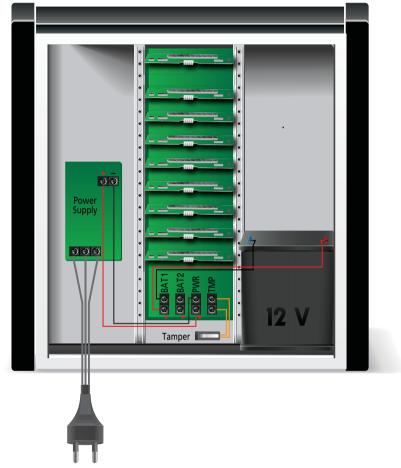


Figure 18: ME-00 – 9 Boards Tray Cabinet Housing Wiring To wire the ME-00 9 Boards Tray Cabinet Housing:

- 1. Connect a 12-16VDC 1500mA transformer to the power terminal block, see Power Supply wiring section on page 30.
- 2. Connect the backup battery to the battery terminal block.

3. Connect a tamper switch to the tamper input terminal block, see General Purpose Inputs on page 36.

4.3 Power Supply

The following diagram illustrates the wiring between the DC adaptor and the ExpansE units, as well as the cabinet Power supply connection. It is recommended to add a 12VDC lead acid backup battery if the main power supply fails. Backup battery must be used if implementing the connection of lock devices to the units, when more than 1A of current is required.

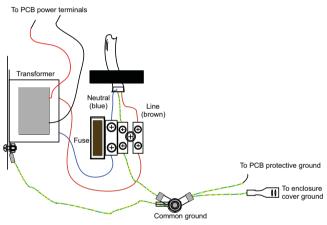


Figure 19: Wiring the Power Supply

4.4 RS-485 Daisy Chain

Daisy chain connection allows the connection of up to 32 EUs to the MU along a single serial line.

The MU is connected directly to the LAN network and the associated EUs are connected to the MU.

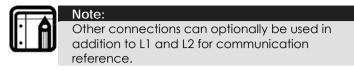


Note:

It is important to connect the Ground between all the connected units. The purpose of this connection is to have a single reference line.

At each end of the data line, a termination resistor of 120Ω may be required. Apply the resistor across the L1 and L2

connections. These termination resistors are especially important in long cable runs.



4.5 Inputs and outputs

The input and output connections detailed in this chapter are applicable to all inputs and outputs of the ExpansE system.

Input Types

Each input can be set as one of six input types – Normally Open, Normally Closed, Normally Open Supervised with 1 or 2 resistors, and Normally Closed Supervised with 1 or 2 resistors.

Inputs IN1, IN1A, IN2, and IN2A may be configured individually as either supervised or non-supervised inputs.

Non-supervised inputs have two states:

- Normal State N.C. or N.O.
- Opposite State N.O. or N.C.

Supervised inputs have three states:

- Normal State
- Abnormal State
- Trouble State.

The Trouble state is caused by either tampering with the input circuit or by faulty hardware installation. Once configured as supervised input, add a resistor of $2.2K\Omega$, $8.2K\Omega$, or both on the input circuit. See the following diagrams.

Normally Open Input Connection:

Normally Open Input has 2 states:

- Switch Open Normal State:
 Loop resistance = Infinite (open circuit).
- Switch Closed Abnormal State: Loop resistance = 0 (short circuit).

Normally Open Switch (N.O.)



Figure 20: Normally Open Input Connection

Normally Closed Input Connection: Normally Closed Input has two states:

- Switch Closed Normal State:
 Loop resistance = 0 (short circuit)
- Switch Open Abnormal State:
 Loop resistance = Infinite (open circuit)

Normally Closed Switch (N.C.)

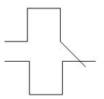


Figure 21: Normally Closed Input Connection

Normally Open Supervised Single Resistor Input Connection:

Connect an 8.2K $\!\Omega$ resistor in parallel to the input switch contacts.

Normally Open Supervised Input has 3 states:

- Switch Open Normal State:
 - Loop resistance = $8.2K\Omega$
- Switch Closed Abnormal State:
 Loop resistance = 0 (short circuit)

Open circuit across input terminals – Trouble State:
 Loop resistance = Infinite (open circuit)

Normally Open Switch

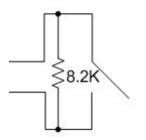


Figure 22: Normally Open Supervised Input (Single Resistor)

Normally Open Supervised Double Resistor Input Connection:

Connect a $2.2K\Omega$ resistor in series to the input switch contacts.

Connect an $8.2K\Omega$ resistor in parallel to the input switch contacts.

Normally Open Supervised Input has 3 states:

1. Switch Open – Normal State:

Loop resistance = $10.4K\Omega$

2. Switch Closed – Abnormal State:

Loop resistance = $2.2K\Omega$

3. Open circuit (Infinite loop resistance) or short circuit (0 resistance) across input terminals – Trouble State

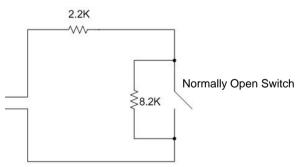


Figure 23: Normally Open Supervised Input (Double Resistor)

Normally Closed Supervised Single Resistor Input Connection:

Connect a $2.2K\Omega$ resistor in series to the input switch contacts.

Normally Closed Supervised Input has 3 states:

- Switch Closed Normal State: Loop resistance = 2.2KΩ
- Switch Open Abnormal State:
 Loop resistance = Infinite (open circuit)
- Short circuit across input terminals Trouble State:
 Loop resistance = 0 (short circuit)

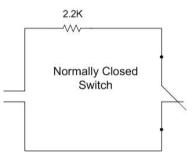


Figure 24: Normally Closed Supervised Input (Single Resistor)

Normally Closed Supervised Double Resistor Input Connection: Connect a 2.2KΩ resistor in series to the input switch contacts.

Connect an 8.2K $\!\Omega$ resistor in parallel to the input switch contacts.

Normally Closed Supervised Input has 3 states:

- Switch Closed Normal State: Loop resistance = 2.2KΩ
- Switch Open Abnormal State:
 Loop resistance = 10.4KΩ
- Open circuit (Infinite loop resistance) or short circuit (0 resistance) across input terminals Trouble State

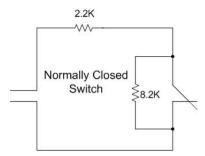


Figure 25: Normally Closed Supervised Input (Double Resistor)

Inputs Description

This chapter describes the inputs default operation.

Request to Exit Button (REX) Input

Use the REX Input to open a door directly. Typically, the REX input is connected to a Normally Open push button that is located inside the premises. The push button is generally located in an easy-to-access position and opens a door without reading a proximity card or PIN code.

Single door controller: Door 1 – IN 1 Double door controller: Door 1 – IN 1 Door 2 – IN 2

Door Monitor Input

The Door Monitor Input typically connects to a Normally Closed door sensing micro-switch for door status monitoring. Using Door Monitor enables many advanced options such as door forced alarm warning, door held open warning, interlocking doors and more. The following should be defined:

Single door controller: Door 1 – IN 1A Door 1 – IN 1.A Double door controller: Door 2 – IN 2A

General Purpose Inputs

These are free inputs that can be used for various functions. The following should be defined:

Single door controller: Door 1 – IN 2 Door 1 – IN 2A

Double door controller: No general purpose input available

General purpose inputs are suitable for most uses. For example, they might be used to detect tampering, to activate alarm sensors or for monitoring power supply failure.

Output Description

This chapter describes the inputs default operation.

Rosslare Security recommends the use of suppression diodes for all outputs that activate an inductive load.

Door Lock - Power Enabled Output

There are two types of door locking devices:

- Fail open (fail secure)
- Fail close (fail safe)

The following should be defined:

Single door controller: Door 1 – OUT 1 Double door controller: Door 1 – OUT 1 Door 2 – OUT 2

An ExpansE output can provide 12VDC power up to 1A for external door locks. For higher rated door locks an external UL 294 Listed power supply must be used to provide power to the door lock.



Note:

For UL installations, the installer must configure the system as fail-safe to comply with NFPA (National Fire Protection Association) regulations.

Elevator – Non-power Output

When using the elevator control output to close the elevator key relay switch, there is no need to supply power to the

Hardware Installation

circuit. There is an option to choose between Normally Open or Normally Closed circuits.

The circuit is based on wiring the common output together with either the N.O. or N.C. output to the elevator key switch thus closing the electric circuit.

4.6 Output Wiring

Figure 26 and Figure 27 below illustrate wiring for two main types of 12VDC electrical release mechanisms. Other electrical devices can be switched using the voltage free relay contacts.

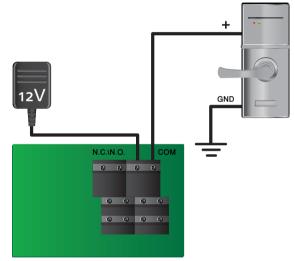


Figure 26: Power Enabled Output Wiring

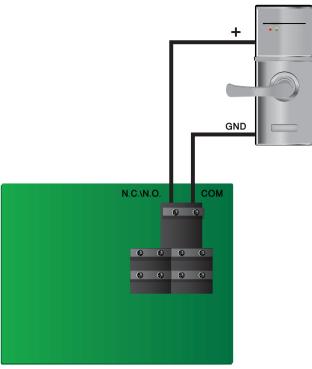


Figure 27: Non-Power Output Wiring

4.7 Mounting

This chapter shows how to mount and assemble each of the available boxes of the ExpansE system.

ME-01 Single Board Self Powered Metal Enclosure

The ME-01 is a sturdy, lockable, metal case that has room for a single MU or EU board along with a power supply and backup battery.

To install the ME-01:

- 1. Using the holes dimensions and locations shown in Figure 28, drill holes in the wall.
- 2. Insert masonry anchors into the drilled holes.

- 3. Wire the unit according to the wiring instructions as explained in the Wiring Instructions chapter, on page 21.
- 4. Mount the ME-01 enclosure onto the wall as shown in Figure 29, on page 40
- 5. Mount the MU or EU board in the enclosure using the spacers supplied and connect the in-box power and backup battery as shown in Figure 30, on page 40
- 6. Close and secure the enclosure.

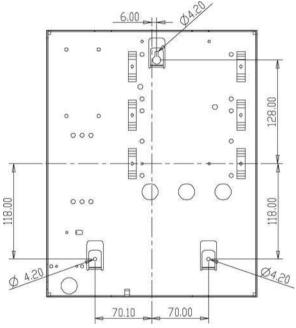


Figure 28: ME-01 Mounting Template

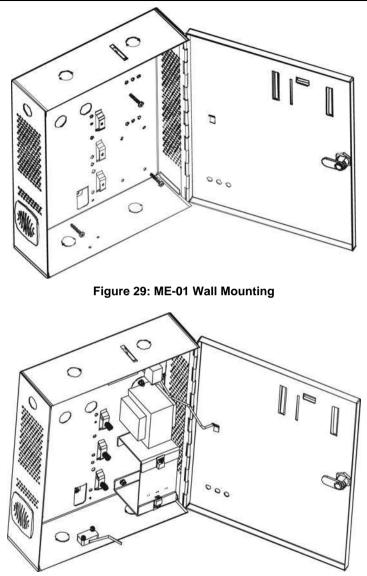


Figure 30: ME-01 Unit Mounting and In-Box Connections

ME-12 Single Board Self Powered Plastic Enclosure

The ME-12 specially designed plastic enclosure holds a single MU or EU board along with a power supply and backup battery.

To install the ME-12:

- 1. Using the holes dimensions and locations shown in Figure 31, drill holes in the wall.
- 2. Insert masonry anchors into the drilled holes.
- 3. Wire the unit according to the wiring instructions as explained in the Wiring Instructions chapter, on page 21.
- 4. Mount the ME-12 onto the wall as shown in Figure 32, on page 43
- 5. Mount the MU or EU board in the enclosure using the spacers supplied and connect the in-box power and backup battery as shown in Figure 33, on page 43, make sure to run the wires through the specifically designed wiring ducts.
- 6. Secure the backup battery and other loose components using the specifically designed openings and slots.
- 7. Close and secure the enclosure door.

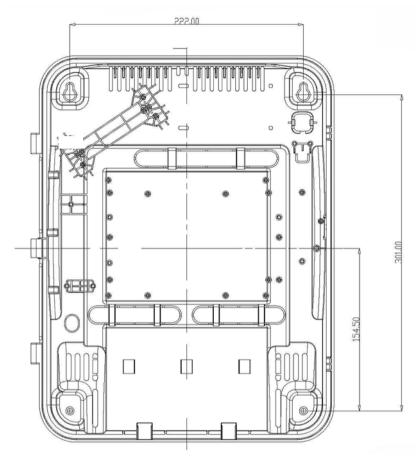


Figure 31: ME-12 Mounting Template

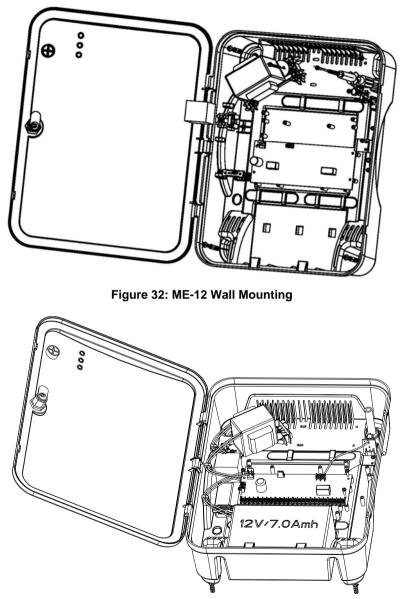


Figure 33: ME-12 Unit Mounting, In-Box Connections and wiring

ME-14 Compact Single Board Self Powered Enclosure

The ME-14 is a simple plastic casing suited for a singular MU or EU board.

To install the ME-14:

- 1. Open the ME-14 case using a screw driver.
- 2. Using the ME-14's backplate as a template drill holes in the wall, see also Figure 34 below for dimension reference.
- 3. Insert masonry anchors into the drilled holes.
- 4. Wire the unit according to the wiring instructions as explained in the Wiring Instructions chapter, on page 21.
- 5. Mount the ME-14 onto the wall.
- 6. Mount the MU or EU board in the case and reassemble the casing as shown in Figure 35, on page 45.



Note:

The ME-14 has no room for a backup battery charger. It can be used without a backup battery or by drawing lines from the MU backup battery to the unit.

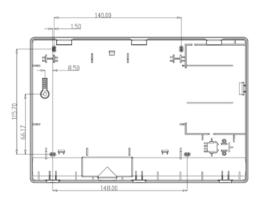


Figure 34: ME-14 Mounting Template

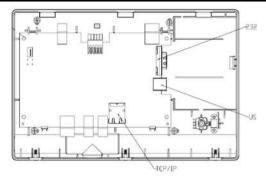


Figure 35: ME-14 Assembly

ME-00 9 Boards Tray Cabinet Housing

The ME-00 9 Boards Tray Cabinet Housing offers a cabinet that holds several MUs and/or EUs. The cabinet also holds several backup batteries as well as an embedded power supply, which powers all the connected units.

To install the ME-00:

- 1. Using the holes dimensions and locations shown in Figure 36, on page 46 drill holes in the wall.
- 2. Insert masonry anchors into the drilled holes.
- 3. Wire the cabinet as described in section 4.2 ME-00 9 Boards Tray Cabinet Housing Wiring, on page 28.
- 4. Slide and secure the individual units into the designated slots, ensure that each unit is secured in place to receive the power and communication directly from the rack as shown in Figure 37, on page 46.
- 5. Thread the wires through the designated holes in the rear of the rack as shown in Figure 38, on page 47, wire the individual units according to the wiring instructions as explained in the Wiring Instructions chapter, on page 21.
- 6. Mount the ME-00 onto the wall.
- 7. Close and secure the enclosure.

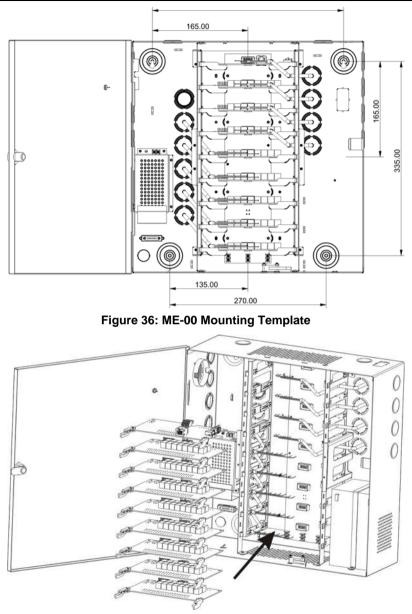
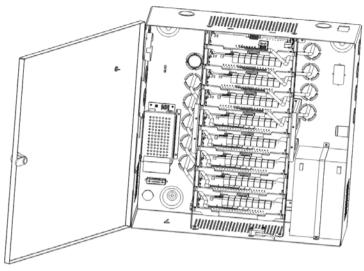


Figure 37: ME-00 Units Placement





4.8 DIP Switch Configuration

The ExpansE units have a DIP switch that controls a number of operating parameters including the device address and tamper settings.

•	2	~		•	~	•	~	
F		A	F	Ĥ	R	F	F	

Figure 39: DIP Switch

The following is a list of DIP switch numbers in the units and their functions:

Switch #	Function	
1		
2	The ExpansE Units network address	
3		
4		
5		
6	Reserved for factory use, set to ON at all times	
7	Front and Back Tamper witch Englad (Dischlad	
8	Front and Back Tamper switch Enabled/Disabled	



Note:

Power down the System before changing the DIP switches settings. After changes have been made, restart the system. The new settings are automatically defined after power up.

Network Addressing

The first 5 DIP switches are used to select the binary coded access control unit internal network address.

The default network address is set to "1".



Figure 40: Internal Network Address DIP Switch Setting



Note: For successful communications, the DIP switch must match the address set in the ExpansE web application.

The following table displays the 32 dip switch settings available:

Address	Switch 1	Switch 2	Switch 3	Switch 4	Switch 5
1	Off	Off	Off	Off	Off
2	Off	Off	Off	Off	On
3	Off	Off	Off	On	Off
4	Off	Off	Off	On	On
5	Off	Off	On	Off	Off
6	Off	Off	On	Off	On
7	Off	Off	On	On	Off
8	Off	Off	On	On	On
9	Off	On	Off	Off	Off
10	Off	On	Off	Off	On
11	Off	On	Off	On	Off
12	Off	On	Off	On	On
13	Off	On	On	Off	Off
14	Off	On	On	Off	On
15	Off	On	On	On	Off
16	Off	On	On	On	On

17	On	Off	Off	Off	Off
18	On	Off	Off	Off	On
19	On	Off	Off	On	Off
20	On	Off	Off	On	On
21	On	Off	On	Off	Off
22	On	Off	On	Off	On
23	On	Off	On	On	Off
24	On	Off	On	On	On
25	On	On	Off	Off	Off
26	On	On	Off	Off	On
27	On	On	Off	On	Off
28	On	On	Off	On	On
29	On	On	On	Off	Off
30	On	On	On	Off	On
31	On	On	On	On	Off
32	On	On	On	On	On



DIP switch #6 must be set to ON at all times.

Tamper Enabling

Note:

DIP switches 7 and 8 are used to enable or disable the front and back tamper capability.

Select the DIP switch setting as described in the table below to determine the tamper behavior.

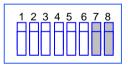


Figure 41: Tamper DIP Switch Setting

Back	Front	S7	S8
Enabled	Enabled	OFF	OFF
Enabled	Disabled	ON	OFF
Disabled	Enabled	OFF	ON
Disabled	Disabled	ON	ON

5. Communications

The ExpansE system utilizes several communication protocols for the various communication needs.

The MUs are connected to one another via an Ethernet network, this connection also allows access to the web based application used to manage the system.

RS-485 communication protocol is used to connect each MU to its associated EUs.



Note:

The EUs address is defined in the ExpansE web application. It is important that the DIP switch and the software are

set to the same address.

6. The ExpansE WEB Application

ExpansE's built-in Web application and networking capabilities provide faster and easier setup— software installation and computer configuration are not required. The control of all system configuration options and additional services, including real-time monitoring, can be performed from any panel and computer on the network.



Note: For best performance use either Google chrome or Mozilla Firefox browsers.

6.1 Initial PC Configuration

Before accessing the ExpansE Web application you need to define your PC's IP to match that of the ExpansE's IP.

After Configuring the ExpansE Web application for the first time, remember to revert back to your original IP.

To define your PC's IP (Windows Xp):

 Open the local area connection properties window, Start→Control Panel→Network Connections→Local Area Connection.



Figure 42: Windows XP – Control Panel

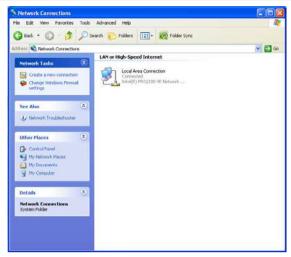


Figure 43: Windows XP – Network Connections

2. The Local Area Connection Status window opens. Click **Properties** to access the Local Area Connection *Properties* window.

Local Area Connectio	n Status 🛛 🕐 🕻	🖌 🔟 🕂 Local Area Connection Properties 🛛 😨
General Support		General Authentication Advanced
Connection		Connect using
Statue:	Connected	Intel(R) FR0/100 VE Network Corne Configure
Duration	5 days 01:32:48	
Speed	100.0 Mbps	This connection uses the following items:
Activity	t — 🕋 — Received	Instell Uninstell Properties
Jei		Description
Packels 10	43 235 1 043 636	Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
Properties Disab	le	✓ Show can in notification area when connected ✓ Notify me when this connection has imited or no connectivity
	Dose	OK Cancel

Figure 44: Windows XP – Local Area Connection Status and Properties windows

3. Select Internet Protocol (TCP/IP) and click properties. The *Internet Protocol (TCP/IP) Properties* window opens.

The ExpansE WEB Application

eneral	
	d automatically il your network supports od to ask your network administrator far
O Dbtain an IP address autor	natically
Use the following IP address	8
IP address:	192 . 168 . 20 . 89
Subnet mask:	
Default galeway	· · · · · · · · ·
O Obtain DNS server addless	automatically
💿 Use the following DNS ser	ver addiesses:
Prefeired DNS server:	192 . 168 . 20 . 89
Alteinate DNS server:	192 . 115 . 106 . 35
	1
	Advanced

Figure 45: Windows XP – Internet Protocol (TCP/IP) Properties windows

- Select the Use the following IP address: option and type 192.168.20.198 in the IP address field, 255.255.255.0 in the Subnet mask field and 192.168.20.1 in the Default gateway field.
- 5. Select the Use the following DNS server address option and type 192.168.20.2 in the *Preferred DNS Server* field, and 192.115.106.35 in the *Alternate DNS Server* field.
- 6. Click **OK** to save and exit the properties window.
- After configuring the ExpansE Web application as described in section 6.2 Initial Access and Network Settings, on page 56, repeat the process with the correct network settings for your PC as provided by your IT professional.

To define your PC's IP (Windows Vista/7):

1. Open the *Network and Sharing Center* window, Start→Control Panel→Network and Sharing Center.



Figure 46: Windows Vista/7 – Network and Sharing Center

2. Click **Change adapter settings**, right click your connection and click **Status**.

ieneral		
Connection		
IPv4 Connectiv	/ity:	Internet
IPv6 Connection	vity:	No Internet access
Media State:		Enabled
Duration:		01:48:53
Speed:		100.0 Mbps
Activity	Sent —	Received
	0	
Activity Bytes:	Sent —	Received

Figure 47: Windows Vista/7 – Network Connections

3. The Local Area Connection Status window opens. Click **Properties** to access the Local Area Connection Properties window.

The ExpansE WEB Application

	1	
Connect using:		- 5/14
Broadcom Ne	stLink (TM) Gigabit Ethem	net
		Configure
This connection use	es the following items:	
🗹 🌁 Client for N	Acrosoft Networks	1
Vitual Mac	chine Network Services	1
QoS Pack	et Scheduler	
File and Pr	inter Sharing for Microsoft	
🗹 🔺 Reliable M	ulticast Protocol	
	otocol Version 6 (TCP/IP)	
🗹 📥 Internet Pr	otocol Version 4 (TCP/IP)	x4)
1	ni	
lostal	Uninstal	Properties
Description		
	ntrol Protocol/Internet Pro	tocol. The default
		communication
wide area networ	rk protocol that provides c terconnected networks.	

Figure 48: Windows Vista/7 – Local Area Connection Properties window

4. Select Internet Protocol Version 4 (TCP/IPv4) and click properties. The *Internet Protocol Version 4 (TCP/IPv4) Properties* window opens.

eneral	
	d automatically if your network supports need to ask your network administrator
Obtain an IP address autor	matcally
() Use the following IP addres	551
IP address:	192 . 168 . 20 . 89
Subnet mask:	1 11 11 11 11 11 11 11 11 11 11 11 11 1
Default gateway:	1 a a (-
Obtain DNS server address	autometically
() Use the following DNS serv	er addresses:
Preferred DNS server:	192 . 168 . 20 . 89
Alternate DNS server:	192 , 115 , 106 , 35
🔲 Validate settings upon exi	t Advanced

Figure 49: Windows XP – Internet Protocol (TCP/IP) Properties windows

5. Select the Use the following IP address option and type 192.168.20.198 in the *IP address* field, 255.255.255.0 in the

Subnet mask field, and **192.168.20.1** in the *Default* gateway field.

- 6. Select the Use the following DNS server address option and type 192.168.20.2 in the *Preferred DNS Server* field, and 192.115.106.35 in the *Alternate DNS Server* field.
- 7. Click **OK** to save and exit the properties window.
- 8. After configuring the ExpansE Web application as described in section 6.2 Initial Access and Network Settings, below, repeat the process with the correct network settings for your PC as provided by your IT professional.

6.2 Initial Access and Network Settings

The ExpansE web application requires no installation or unique PC setup, any computer connected to the same network as the ExpansE can access the application.

The ExpansE web based application automatically detects and configures connected units, it is therefore crucial that each system (MU and EUs) be connected and defined in the application separately.

To access & configure the ExpansE for the first time:

1. Open your web browser and type the default IP address 192.168.20.25 in the address line. The Login screen opens.

	•	•
Note:		
For best performance use ei or Mozilla Firefox browsers.	ther Google	chrome
User Name Password	Cancel	

Figure 50: ExpansE web application Login screen

2. Type your User name and Password.



Note:

By default, the user name and the initial password is Admin. Type "admin" in the **User name** and **Password** fields. 3. Click OK.

The ExpansE home page opens, see Figure 51, followed immediately by the settings window, see Figure 52, below and Figure 53, on page 58.

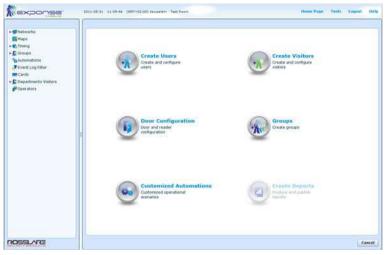


Figure 51: ExpansE web application Homepage

4. When accessing the application for the first time the system settings window opens automatically in order to configure the system. The same window can be accessed using the **Settings** link located on the main windows upper right corner.

General	Date and Time	
P Address	192.168.10.70	
iubnet Mask	255.255.255.0	
lefault Gateway	192.168.10.1	
🕖 Master 🔘 Slave		
Aaster IP Address	192,168,10.70	
	oot to enforce the changes	

Figure 52: System Settings – General Tab

5. Ensure that the *Master* option is selected; any additional MUs that are defined in the system will be defined as *Slaves*.

6. Define the ExpansE's network identity.



Note:

Contact your network administrator for assistance in finding the network parameters needed.

- o Set the IP Address for the ExpansE MU
- o Set the Subnet Mask for the ExpansE MU
- o Set the Default Gateway for the ExpansE MU
- When defining slave MUs, type the IP Address of the master MU in the *Master IP* Address field.

Click the **Date and Time** tab to continue with the initial configuration.

7. Ensure that *Auto* option is selected and select your time zone from the *Timezone* list. The time and date will be automatically updated from either the Primary or Secondary time server.

Alternatively

Select the Manual option to define the date and time.

- Type the date in the *Local Date* field or open the calendar by clicking the calendar icon and select the date.
- Type or use the arrows to set the time in the *Local Time* field

General	Date and Time			
🔾 Manual 💿 Auto				
Local Date	2010-11-10	Lacit		
Local time	11: 34: 190			
Timezone				
(GMT+02:00) Jerusalem			1.	
Primary time server	216.244.192.3			
Secondary time server	83.96.227.85			
ter save, press reboo	t to enforce the d	hondos		

Figure 53: System Settings – Date and Time Tab

- 8. Click Apply to save the changes made.
- 9. Click reboot to restart the unit and implement the changes in the MU.

6.3 The ExpansE main window

The entire central functionality of the ExpansE web based application is available from its main window.

		0 🚮											
Networka	Description	state	IP Address	Serial North	. Firman	Versian St	lates						
Maps	Table Names	Enabled .	192,388,19.73	BURDC27498	15 H.E.S(+24	I Man Han Co	in lad						
C Timing													
Groups													
Automations				0									
Event Log filter				v									
Departments Visitors													
Operate													
Con a Con													
	d:												
		1+1 Pour 1											
					1 - 1 Pram 1								
					1 - 1 Prom 1								
	E trent Type: AN	•)(*)(egend •										
	Event Type: Al	• 1 (*) (i	egend •	Deniel Reason		Source Rame	• Retwork Name	Gard	Pa	Refere			
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	Date and Term Doc1-05-01 10-00 Dist-05-01 10-00 Dist-05-01 10-00 Dist-05-01 10-00 Dist-05-01 10-00	Event Type 14. Snort Denned 16. Snort Opened 15. Snort Opened 14. Snort Opened 14. Snort Opened	Description	Denial Reason	944	for 11-0008 for 11-0008 for 12-0-008 for 12-0-008 for 12-0-008 for 11-0-008	UL, I Test Room UL, I Test Room UL, Test Room UL, Test Room	Cent	Pa	192.344 192.344 192.344 192.344 192.344			
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Figure 54: ExpansE web application Main Screen

The ExpansE web application's Main screen is divided into sections:

Section	Description
1 Display Area	Displays all items within the tree view selected element.
2 Tree View	Allows users to configure, monitor, and control every aspect of the ExpansE system. For more information, see Tree View, page 60.
3 Toolbar	Has toolbar icons which users can use for the key tasks required in managing access control across a facility. The available icons change according to the view selected. For more information, see Toolbar, page 62.
4 Menu Bar	Controls the software general operation and setup. For more information, see Menu Bar, page 60.

5 Event	Displays 200 events comprised of general status
Window	information, such as: Operator name, Client/Server
	mode, system readiness, system download, date,
	and time.

6.4 Tree View

The Tree View allows users to configure, monitor, and control every aspect of a facility's access control network. When the user selects an element from the tree, its content is shown in the main display area.

Networks

A network is a group of MUs each with up to 32 EUs. The ExpansE connects to the units across the Ethernet between MUs and RS-485 between EUs. The ExpansE system automatically detects and configures connected units, you only need to initialize it in the system. For more information, see Setting the Controllers, on page 65.

Maps

The Status Map displays the status of every door, reader, and alarm in the facility on user-selected floor plans.

The system can display multiple nested status maps, allowing users to show either the complete access control network or a specific area in detail.

Timing

Timing defines a weekly time period or set of time periods, for example, "Office Hours" or "Out of Office Hours". Door access rights, alarms, and input/output behavior can all be set to behave differently within each Timing set. For more information, see Defining Timing, on page 77.

Groups

Groups consist of access groups, input groups, output groups and elevator groups. An Access Group defines when each reader on the site will be available for access. All site personnel

The ExpansE WEB Application

are assigned to appropriate Access Groups. See Creating Access Groups, on page 79.

Input and Output groups define sets of outputs or inputs that should be managed together within a panel. See Configuring Inputs and Outputs, on page 71.

Elevator groups are similar to output groups but are dedicated to elevator control EUs and application. See Setting a 16 Relay Elevator Control Unit, on page 68 and Configuring Inputs and Outputs, on page 71.

Automation

Defines automated activities based on various input and output settings as well as other variables such as events and time zones.

Event log filter

The Events log filter allows you to define the type of events that are displayed and saved in the log file, by selecting those you wish to exclude, see Setting Event Log Filters, on page 95.

Cards

Lists all cards in the system and their statuses, and allows manual or automatic card addition to the system. For more information, see Defining Cards on page 86.

Departments and Visitors

The departments and visitors screen, lists all departments and users, as well as visitors. Each user is a member of a department. For each user, it is possible to assign a card and/or a PIN code, set access rights, personal details, and include an identification photograph. The setup also allows you to create visitors with their specific associated rights. See Defining Departments and Users, on page 87.

Operators

Operators are users with access privileges to the ExpansE web application. Different operators can be defined to have broader or more restricted security privileges, from complete control over the system to the ability only to view one section. All Operator passwords are case-sensitive.

Only one operator with full administrator privileges can access the system simultaneously, other administrators trying to log in will only have read rights during that time.

Up to 20 users with read only privileges can access the system at the same time.

6.5 Toolbar

The toolbar controls key tasks required to manage access control across a facility.

The following toolbar icons are available:

General Icons

lcon	Name	Click icon to
4	Open Door Manually	Open the Door Manual Operation window. See Manual Door Control, on page 127.
+	New	Create a new element of the selected type.
2	Edit	Edit the selected element.
×	Delete	Delete the selected item.
0	Refresh	Refreshes the current view

Event type Icon

Icon Name
Clear Al Events

6.6 Menu Bar

The menu bar controls the general operation and setup of the application.

Homepage

The home page button, returns to the Homepage and enables access to one of several wizards. See chapter 8 Configuration Wizards on page 98.

Settings

Opens the MU setting window, see also Initial PC Configuration, on page 51.

Logout

Pressing the logout button, logs you out of the system, for security and management reasons only one operator with administrative rights can be logged in at one time.

Help Menu

The help menu opens the **About** screen which shows the system information.



Figure 55: ExpansE web application About Screen

6.7 Event Log

Every time access is granted or denied, for every door on a site an entry appears in the log file which is part of the static view of the ExpansE main window. Monitoring for potential door tampering or forced entry is logged, and displays of internal system warnings are also shown.

The events shown are defined in the event log filter window, see section 7.17 Setting Event Log Filters, on page 95.

You can also filter the view for a specific session using the even filter drop down list and clear the even logs shown using the clear all Icon on the event log tool bar.

7. How to Set Up a Site

This section outlines a recommended step-by-step process for configuring the ExpansE system.

Step	Action	Section
01	Define the MU	See Setting the Controllers, on page 65.
02	Configure the various associated EUs	See Setting a Door controller EU, on page 66, Setting a 16 Relay Elevator Control Unit, on page 68 and Setting an 8- Inputs/Outputs Interface on page 69.
03	Configure the Readers	See Configuring the Reader, on page 69.
04	Configure inputs and outputs	Configuring Inputs and Outputs, on page 71.
05	Create Overview Maps	See Creating Active Maps, on page 73.
06	Define Time zones and Holidays	See Defining Timing, on page 73.
07	Create Access Groups	See Creating Access Groups, on page 79.
08	Create Input Groups	See Creating Input Groups, on page 81.
09	Create Output Groups	See Creating Output Groups, on page 83.
10	Create Elevator Groups	See Creating Elevator Groups, on page 84.
11	Set Automation behavior	See Automation, on page 85.
12	Define Cards	See Defining Cards, on page 86.
13	Define Departments and Users	See Defining Departments and Users, on page 87

7.1 Setting the Controllers

The ExpansE network is set up of a master MU with several slave MUs, each with a network of EUs.

Each MU is automatically detected and configured but need to be initialized.



Note: It is crucial that each sub system (MU and EUs) be connected and defined in the application separately.

To define the MU settings:

1. In the tree view, select Networks.

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@Networks	Description	state	IP Address	Social Results	d House	ere Versine 1	Malan					
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	0012-00-01 10-00-0 0112-00-01 10-00-0	Frend Type 8 Travid Operant 9 Travid Operant 3 Travid Operant		Desid Barress	- 10	8y-11-000	1868,8.79 1868,3.79 19063,79	el Royen el Royen el Royen	Carel	1	8000 (19) (19) (19) (19)	
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	Date and Term 2014 00 41 00 00 2014 00 41 00 00 2014 00 41 00 00 2014 00 41 00 00 2014 00 41 00 00 2014 00 41 00 00 2014 00 41 00 00 2014 00 40 00 00 2014 00 40 00 00	Event Type Event Type Event Special		Decid Factor	- 10	hr 11 000 hr 11 000 hr 12 9 0 hr 9 3 00	1812,1 19 1812,1 19 18012, 19 18012, 19 18012, 19 1802,1 19 1812,1 19	el Rosen el Rosen el Rosen el Rosen el Rosen el Rosen el Rosen el Rosen el Rosen el Rosen	Card	E	1992 1993 1993 1993 1993 1993 1993 1993	
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Figure 56: ExpansE web application Networks Screen

2. From the list of networks, double click one MU to open the MU Properties window.

Desc	ription
MU-	1-20101110-134121
V E	nabled
IP A	idress
192	168.10.70

Figure 57: Network properties window

- 3. Enter a description for the MU in the Description field
- 4. Check the **Enabled** checkbox, to enable the MU.
- 5. Click **OK** to save your settings and close the window. The connected EUs will appear in the tree view.
- 6. Double-click each EU found, or select and click the **Edit** icon, to open the EU Properties window.
- 7. Enter a description for the EU in the Description field
- 8. Check the **Enabled** checkbox, to enable the EU.
- 9. Click OK to save your settings and close the window.

n 🐨 Networks	Bescription	state	Device Address	Device Type	Firmware Version	Status			_
+ Granell Main Linit	Re-13-2-6-25+7109	Evaluat .	C. C	Paratter	E 13.4 Balayone	Danielled			
► CLU-15-3-ELEVATOR	8+16-1-10	trailet	1	670	(8.12.4 3/O unit	Compiled			
* EU-16-1-10	8+17-5-5000LF_DO	Enabled	8	Single Coor	0.12.5 Door unit	Connected			
EU-17-5-SINGLE_DOOR									
- 💕 Test Room									
Caperas									
MADE									
e Timing									
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Cards Copartments Visitors	Ente and Town 2014/05/11 12/04/0 2013/05/11 12/04/0 2013/05/11 12/04/0 2019/05/11 12/04/0	Event Type Figure Opened Look atabas cher Look atabas cher Look atabas cher Look atabas cher Look atabas cher	Description Link up Link up	Deresl Reason	64-17 84-17 84-17 84-18 84-18 84-18	5-125024, Expand Hain Ur. 5-125024, Expand Hain Ur. 5-125024, Expand Hain Ur. 5-125024, Expand Hain Ur.	Pe	182.168.10.70 182.168.10.70 182.168.10.70 182.168.10.70	
Cards Copartments Visitors	Bate and Tona 2012-05-11 13-44-3 2012-05-11 13-44-3 2011-05-11 13-44-3 2011-05-11 12-44-3 2014-05-11 12-44-3	Event Type Front Operad Link status shar Link status shar Link status shar Link status shar Link status shar Link status shar Singet Dosed	Description Link up Link up	Denial Research	60-13 60-13 60-13 60-13 60-14 60-14 60-13	S-EMBLE, Expansit Hain Li S-EMBLE, Expansit Hain Li S-EMBLE, Expansit Hain Li S-EMBLE, Expansit Hain Li S-ELEVET: Expansit Hain Li	Pa	182,148,10,70 182,148,10,78 182,168,10,71 182,168,10,71 182,168,16,75	
m Cards E Departments Visitors #Operators	Date and Rose 2014-05-11 13-443 2014-05-11 13-443 2014-05-11 12-443 2014-05-11 12-443 2014-05-11 12-443	Breast Type Input Operad Loss status than	Description Link up Link up	Denial Reason	6 - 17 6 - 17 6 - 17 6 - 18 7 - 19 7	5-1552, Expand Hain U 5-1552, Expand Hain U 6-1552, Expand Hain U 10 Expand Hain U 6-155 Expand Hain U 1-1552, Tayl Asset	Pa	182,144,10,70 182,144,10,79 182,144,10,79 182,144,10,70 182,144,10,70 182,144,10,71 182,144,10,75 182,144,10,72	
Cards C Departments Visitors	Bate and Direc 2014 (05-11 12-44) 2014 (05-11 12-44)	Breads Type Input Operad Loss status that	Description Link up Link up	Dental Research	6 - 17 8 - 17 8 - 19 8 - 19 8 - 18 9 - 18 9 - 18 9 - 19 8 - 19 8 - 19 8 - 19 8 - 19 8 - 19 8 - 19 9 - 19 1	EDBLL Expand Hair U EDBLL Top faces EDBLL Top faces	Pa	182.144.10.79 182.144.10.79 182.144.10.79 182.144.10.71 182.144.10.71 182.144.10.72 182.144.10.72	

Figure 58: Networks Screen with connected EU's

7.2 Setting a Door controller EU

Each Door Controller controls one or two doors as well as inputs and outputs, each door can be configured individually.

Set the properties for each of the doors.

To set door properties:

1. In the tree view, click Networks.

The available networks are listed in the display area.

2. Select a network and expand a panel in the tree view.

Select a door to set its properties.

3. Click the Edit icon.

The Door Controller Properties Window opens.

Description		Auto Relock	
Eu-3-DOUBLE_DOOR/Door	L	None	•
Door output polarity is no Rex Enabled	ormally closed	Timezone logic	
🗹 Manual door open enable	ed	First person de	lay
imers			
Door open time	00:04	min:sec	
	(min:sec	
Extended door open time	00:08		
Extended door open time	00:08	min:sec	

Figure 59: Door Controller Properties window

- 4. In the **Description** field, type a name for the door.
- 5. From the **Auto Relock** select box, select the event that causes the door to relock automatically
- 6. Determine the door polarity by checking or un-checking the **Door output polarity is Normally Closed** checkbox.

Select this checkbox to ensure Fail Safe door opening if the Fail Safe door Lock Device power fails.

Once enabled, the door output relay is activated when the door is closed, and is deactivated when the door is open. In this configuration, the Fail Safe lock device should be wired to the door relay N.O. (Normal Open) and COM (Common) terminals

- 7. Check the **REX enabled** checkbox to allow Requests to Exit for this door.
- 8. Check the **Manual Door Open Enabled** checkbox to allow operators to adjust the door manually. See Manual Door Control under Manual Operation, on page 127.
- 9. Sets the door's time zone logic behavior.
 - Select the **Timezone Logic** checkbox to initiate the time zone logic options and select an output from the list.
 - Check the First person Delay checkbox to keep the door locked until the first user opens it.

- 10. Set the duration for which the door stays unlocked by typing minutes and seconds in the **Door open time** field or use the associated up and down arrows.
- 11. Set the duration for which the door stays unlocked for users with Extended door open rights by typing minutes and seconds in the **Extended Door open time** field or use the associated up and down arrows.
- 12. Set the duration following which and when the door is forced open, an event occurs. Select the **Door forced** checkbox to use this timer and type the minutes and seconds in the associated field or use the up and down arrows.
- 13. Set the duration for which the door can be held open without raising an alarm event. Select the **Door held open** checkbox to use this timer and type the minutes and seconds in the associated field or use the up/down arrows.
- 14. Click OK to save your settings.
- 15. Define the Inputs and Outputs for the Dual Reader Door unit; see Configuring Inputs and Outputs, on page 71.

7.3 Setting a 16 Relay Elevator Control Unit

A 16 Relay Elevator Control Unit has 16 outputs and is associated to inputs in order to activate these outputs

Set the properties for each of the inputs and outputs for each of the elevator control EU's.

To set the 16 Relay Elevator Control Unit properties:

1. In the tree view, click Networks.

The available networks are listed in the display area.

2. Select a network and expand a panel in the tree view.

Select an elevator control EU to set its properties.

3. Define the inputs and outputs as explained in the Configuring Inputs and Outputs section on page 71.

How to Set Up a Site

	0 - 5 -	at 0 6								
v 🖤 Networks	Description		Device Type		Status					
* 💕 Test floom	6++ 1 1000.F. 0004/1		Door							
FEBUS-1-SINGLE_DOOR	Burg-1/BINGLE DOOK/R		Reader							-
FOR 7-4-STRUE DOOR	Eu-6-1-BINELE_DOOR/N		Reader							
BEU-E-7-ELEVATOR	fo-6-1-81NSLE_DOOK/6	laader 1 Tamper	Snpul Astive			ve.				
PER-9-2-SINGLE_DOOR	6x-4-1-53NGL6_0008/8	leader 3 Tamper	Input Adve							
F Eu-10-8-10	6-4-1-SINGLE_DOOM/N	EN .	Input Idia							
2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6u-6-1-6INBLR_DOOR/Manitor		Injust Ide							
EU-11-5-SINGLE_DOOR	6u-6-1-SINELE_DOOR/Jeput Basev 3		Input Ide							
EU-12-3-SINGLE_DOOR	Ru-6-1-SDRUE_DOOR/Input Spare 4		Input Ide							
FEU-11-DOUBLE_DOOR	6u-6-1:5INSLE_DOOR/#		Input Ide							
Maps	6u-6-1-52NGLE_000A/0		leget.		Ide					
C Timing	Ex-6-1-EDBLE_DOOR/1 Ex-6-1-EDBLE_DOOR/1		Dugud		ide Ide					
C Groups	Eu-E-L-EINGLE_DOOR/G		Output		100					
Automations	10-0-1-110-00_000000		, soonanas							
TEvent Log Filter		1 - 18 Prove 16								
The Cards	£									
C Departments Visitors	Runni Type: All	(F) (#) (*	agend +							
P Operators	Date and Time	Event Type	Description	Denial Reason	User Rarse	Scores Barro	Network Karne	Card	Per	Refere
• • • • • • • • • • • • • • • • • • • •	2011-09-31 10-30-16	Input Opened				84-11-00UBLE_1	Test Room			192.14
	2011-09-31 10-30-14	Input Openad				Ba-11-000814_5	Test Boom			192.34
	2012-05-21 10-20-15	Drout Opened				64-12-3-STHELE	Test floors			192.10
						8+12-3-SHOLE	Test Room			192.16
	2251-02-35 18-30-15	Input Opened								192.5
	2011-07-01 10:00-14	Input Opened				\$1-25-7-53NOLE	Test Room			
	A STATE OF A STATE					\$u-11-1-5300LE				
	2011-05-01 10:00-14	Input Opened					Test Room			192.19
	2011-05-01 10:00-14 2011-05-01 10:00-14	Input Opened Deput Opened				De-13-1-2300.8	Test Room Test Room			192.10
	2011-07-01 10:00:14 2011-07-01 10:00:14 2011-09-01 10:00:17	Input Opened Deput Opened Input Opened				0-11-1-2300-0, 8-9-2-6390-8,1	Tast Room Tast Room Tast Room			192.36 192.16 192.16
	2011-05-21 10:30-14 2011-05-21 10:30-14 2011-05-21 10:30-12 2011-05-21 10:30-12 2011-05-21 10:30-12	Input Opened Input Opened Input Opened Input Opened				Ru-11-1-120004, Ru-9-2-639044,1 Ru-9-2-639044,1	Test Room Test Room Test Room Test Room			192.16 192.16 192.18 192.18
	2011-05-21 10:30:14 2011-05-21 10:30:14 2011-05-21 10:30:12 2011-05-21 10:30:12 2011-05-21 10:30:13 2011-05-21 10:30:11	Input Opened Input Opened Input Opened Input Opened Input Opened				Dr-11-1-800000, 8x-9-2-6000000, 8x-9-2-6000000, 8x-9-2-600000, 8x-7-4-600000,	Test Room Test Room Test Room Test Room Test Room			192.36 192.16 192.16 192.16 192.16
	2011-05-01 19:00:14 1011-05-01 10:00:14 2011-05-01 10:00:12 2011-05-01 10:00:12 2011-05-01 10:00:12 2011-05-01 10:00:11 2011-05-01 10:00:11	Input Opened Deput Opened Input Opened Input Opened Input Opened Input Opened				0x-11-1-1000, 8x-9-2-5000,8,1 8x-9-2-5000,8,1 8x-9-2-5000,8,1 8x-1-4-5000,8,1	Test Room Test Room Test Room Test Room Test Room			192.36 192.16 192.16 192.16 192.16 192.16
	2011-05-31 (0.0014) 2011-05-31 (0.0014) 2011-05-31 (0.0014) 2011-05-31 (0.0014) 2011-05-31 (0.0014) 2011-05-31 (0.0014) 2011-05-31 (0.0014)	Input Opened Input Opened Input Opened Input Opened Input Opened Input Opened Input Opened				5+11-5-2000,2,1 6+9-2-5000,2,1 6+9-2-5060,2,1 6+7-4-6060,2,1 6+7-4-5060,2,1 8+6-1-3000,2,1	Test Room Test Room Test Room Test Room Test Room Test Room Test Room			192,16 192,16 192,16 192,16 192,16 192,16 192,16 192,16

Figure 60: Elevator control EU window

7.4 Setting an 8-Inputs/Outputs Interface

Set the properties for each of the inputs & outputs for each of the eight inputs & outputs or the dedicated I/O control EU's.

To set dedicated 8-Inputs/Outputs Interface properties:

1. In the tree view, click Networks.

The available networks are listed in the display area.

- Select a network and expand a panel in the tree view.
 Select an I/O EU to set its properties.
- 3. Define the inputs and outputs as explained in the Configuring Inputs and Outputs section on page 71.

7.5 Configuring the Reader

Each Dual Reader Door Unit can be connected to one or two readers.

To configure a Reader:

1. In the Tree View, click Networks.

The available networks are listed in the display area.

2. Select a network and expand the tree view.

- 3. Select a Dual Reader Door Unit and expand the tree view.
- 4. Select a reader to set its properties.
- 5. Click the **Edit** icon.

The Reader Properties Window opens.

Description	-SINGLE_DOOR/Rea	ader 1	
Direction	🖲 In 🔘 Out		
Operation Mode	Card Only		
Secured (card+pin) time zone	Never	•	
Ceypad Type	Inactive		
Reader Type	Wicgand 26 Bits		
Deduct user counter	🗹 Open Door Activa	ation	
med Antipassback			
Automatic antipassback	Never		
fime (hours:minutes)	00 : 00		
Soft (alarm only)	0	_	
) Hard (alarm and access denie	ed)		

Figure 61: Reader Properties window

- 6. Select whether and when to apply antipassback rules from the Automatic antipassback list.
- 7. Set the time when to apply antipassback rules by typing hours and minutes in the **Time (Hours:Minutes)** field or use the associated up and down arrows.
- 8. Select either Hard or Soft antipassback application

When hard antipassback is selected, an event is generated and the door does not open. When soft antipassback is selected, the door opens but an event is generated.

- 9. In the **Description** field, type a name for the reader.
- 10. Select whether the reader is allowing entry into the area or exit out of the area by selecting either the **In** or **Out** option.
- 11. From the Operation Mode list Select how the reader operates:

- Inactive: The reader is not in use.
- o Card Only: The reader will accept RFID cards only.
- o PIN Only: The reader will accept PIN inputs only.
- Card or PIN: The reader will accept both cards and PIN codes.
- Card and PIN: higher security The reader requires both cards and PIN code for access.
- **Desktop:** The reader is inactive, but is being used to record new cards on the computer.
- No Access Mode: The reader will grant access to no users.
- 12. Using the **Secured (Card+PIN) time zone** list select a time zone during which access should be granted only after both the card and PIN are entered.

The PIN must be entered within 10 seconds of card entry.

- 13. From the **Keypad Type** list, select the data transmission type for the type of keypad hardware.
- 14. From the **Reader Type** list, select the data transmission type for the reader hardware.
- 15. Check the **Biometric Reader** checkbox to allow use of Rosslare's biometric readers.
- 16. Check the **Deduct User Counter** checkbox to record this entry against the user's entry allowance counter.
- 17. Check the **Open Door Activation** checkbox to allow the reader to unlock the door.
- 18. Click OK to save your settings.

7.6 Configuring Inputs and Outputs

Inputs and outputs are available in each of the EUs. The number of Inputs and outputs depends on the type of EU.

To configure inputs and outputs:

1. In the Tree View, click Networks.

The available networks are listed in the display area.

- 2. Select a network and expand the tree view.
- 3. Select one of the available EUs and expand the tree view.

- 4. Select an input to set its properties.
- 5. Click the **Edit** icon.

The Input Properties Window opens.

u-1-ELEVATOR/	Fire	
roperty		
Normally open	ed	•
tart delay		
00: 05 🗘		

Figure 62: Input Properties window

- 6. In the **Description** field, type a name for the input.
- 7. From the **Property** field select the type of input to be monitored.
 - Normally Open/Close: An input either in an open or closed state.
 - Normally Open/Close 1 Resistor: An input in an open, closed, or trouble state. This option is only available for supervised inputs.
 - Normally Open/Close 2 Resistors: An input in an open, closed, or trouble state, with additional checks for shortcircuit and open-circuit tampering. This option is only available for supervised inputs.
- 8. Type the minutes and seconds in the **Start Delay** field or use the up and down arrows to set the delay time before this input becomes active. Note that on normally open input, the delay starts once the input contact is closed. On normally closed input, the delay starts once the input contact opens.
- 9. Click OK to save your settings.
- 10. Select an output to set its properties.
- 11. Click the Edit icon.

The Output Properties Window appears.

Description	1
Eu-1-ELEV	ATOR/Output Spare 1

Figure 63: Output Properties window

- 12. In the **Description** field, type a name for the output.
- 13. Click **OK** to save your settings.

7.7 Creating Active Maps

The Status Map displays the every enrolled unit in the system along with status indications for every door, input, output, antipassback rules, and alarms in the facility. The statuses are shown overlaid on a user-selected image such as floor plans, satellite image, etc.

To set-up a Status Map:

1. In the tree view, click Maps.

The map management screen opens.

	2011-05-31 11-43-35	(GMT+02:00) Ja	rusalem Test	Room				Home Page	tools	Logout	ite
		a Q Q	1								
Networks	Description		-								-
Mape	fram Mage										
Timing	Construction of the second sec										
Groups											
Automations											
Event Log Filter											
Cards											
Departments Visitors											
Operators											
					3 - 3 Prant 2						
	-										
	E		and a		1 - 1 Pram 1						
	Event Type: All	•(#)									
	Date and Taxa	Event Type	opend +}	Danial Reason		Source Rame	Network Karrie	Card	Pm		
	Date and Time 2011-07-01 10-00-16	Event Type Input Opened		Denial Reason		8y-11-000818_0	Test Room	Card	Ł	i	192
	Data and Tava 2011-09-01 10-09-14 2011-09-01 10-09-14	Event Type Input Operad Input Operad		Denial Reason		By-11-0008.8_0	Test Room Test Boom	Card	Pm	1	192.
	Date and Taxe 201-05-01 (0.07).14 2011-05-01 (0.07).14 2011-05-01 (0.00).15	Event Type Input Operad Input Operad Input Operad		Denial Reason		84-11-000818_0 84-11-000818_0 84-13-3-11M018_	Test Room Test Room Test Room	Card	Pa		192.1 192.1
	Oats and Taxa 2011-07-01 10:07-14 2011-07-01 10:07-14 2011-07-01 10:07-14 2011-07-01 10:07-15	Event Type Input Operad Input Operad Input Operad Input Operad		Denial Reason		Re-11-000843_1 Re-11-000843_1 Re-12-3-838044_ Re-12-3-838044	Test Room Test Room Test Room Test Room	Card	-	1	192.1 192.1 192.1
	Cate and Tana 2011-05-01 10-05 10 2011-05-01 10-05 10 2011-05-01 10-05 10 2011-05-01 10-06 10 2011-05-01 10-06 10 2011-05-01 10-06 10	Event Type Input Operad Input Operad Input Operad Input Operad Input Operad		Denial Reason		By-11-000814,1 By-11-000814,1 By-12-3-819014, By-12-3-819014, By-11-5-819014,	Test Room Test Room Test Room Test Room	Card	Pm		192.) 192.) 192.) 192.) 192.)
	Date and Time 2011-09-31 10-20110 2011-09-31 10-20110 2011-09-31 10-20115 2011-09-31 10-20115 2011-09-31 10-20110 2011-09-31 10-20114	Event Type Input Opened Input Opened Input Opened Input Opened Input Opened Input Opened		Desial Reason		Bu-11-DOUBLE_1 Bu-11-DOUBLE_1 Bu-12-3-DIMUE_1 Bu-12-3-DIMUE_1 Bu-12-3-DIMUE_2 Bu-11-5-DIMUE_2 Bu-11-5-DIMUE_2	Test Room Test Room Test Room Test Room Test Room	Card	Pa		192. 192. 192. 192. 192. 192.
	Cals and Taxa Distinct Call 2011-05-21 10-20-16 2011-05-21 10-20-15 2011-05-21 10-20-15 2011-05-21 10-20-16 2011-05-21 10-20-16 2011-05-21 10-20-16	Event Type Input Opened Input Opened Input Opened Input Opened Input Opened Input Opened		Daniel Reason		By 31-ODUBLE_ By 31-ODUBLE_ By 31-ODUBLE_ By 31-ODUBLE_ By 31-ODUBLE_ By 31-ODUBLE_ By 31-ODUBLE_ By 31-ODUBLE_ By 32-ODUBLE_	Test Room Test Room Test Room Test Room Test Room Test Room Test Room	Gard	Pa		192.1 192.1 192.1 192.1 192.1 192.1
	Data and Time 2011 05 21 10 29 14 2011 05 21 10 29 14 2011 05 21 10 201 15 2011 05 201 15 2011 05 2011 05	Event Type Input Operad Input Operad Input Operad Input Operad Input Operad Input Operad Input Operad		Desid Reson		By 31-000813,1 By 31-000814,1	Test Room Test Room Test Room Test Room Test Room Test Room Test Room	Card	Pie		192.1 192.1 192.1 192.1 192.1 192.1 192.1
	Oute and Fame 201 - 09-31 0.0040 201 - 09-31 0.0040 201 - 09-31 0.0040 201 - 09-31 0.0040 201 - 09-31 0.0040 201 - 09-31 0.0040 201 - 09-31 0.0040 201 - 09-31 0.0040 201 - 09-31 0.0040 201 - 09-31 0.0040 201 - 09-31 0.0040 201 - 09-31 0.0040	Event Type Input Operad Input Operad Input Operad Input Operad Input Operad Input Operad Input Operad Input Operad		Desial Reason		By 31-000813,1 By 31-000814,1	Test Room Test Room Test Room Test Room Test Room Test Room Test Room Test Room	Card	Pie		192.1 192.1 192.1 192.1 192.1 192.1 192.1 192.1
	Oute and Fine 2011-05-01 10.201-06 2011-05-01 10.201-06 2011-05-01 10.201-06 2011-05-01 10.201-06 2011-05-01 10.201-06 2011-05-01 10.201-06 2011-05-01 10.201-06 2011-05-01 10.201-06 2011-05-01 10.201-07 2011-05-01 10.201-07 2011-05-01 10.201-07 2011-05-01 10.201-07 2011-05-01 10.201-07 2011-05-01 10.201-07 2011-05-01 10.201-07 2011-05-01 10.201-07 2011-05-01 10.201-07 2011-05-01 10.201-07 2011-05-01 10.201-07 2011-05-01 10.201-07	Event Type Ingut Opened Ingut Opened Ingut Opened Ingut Opened Ingut Opened Ingut Opened Ingut Opened Ingut Opened		Centel Reason		Bu-31-OOUBLE, Bu-31-OOUBLE, Bu-31-OOUBLE, Bu-31-OOUBLE, Bu-32-STROLE, Bu-32-STROLE, Bu-31-STROLE, Bu-31-STROLE, Bu-31-STROLE, Bu-31-STROLE, Bu-32-STROLE, Bu-32-STROLE, Bu-32-STROLE, Bu-32-STROLE, Bu-32-STROLE,	Test Room Test Room Test Room Test Room Test Room Test Room Test Room Test Room Test Room	Gard	Pm		192.1 192.1 192.1 192.1 192.1 192.1 192.1 192.1
	Date and Time 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11	Event Type Input Operad David Operad		Contail Baason		Part1-ODML2_1 Far11-ODML2_1 Far11-ODML2_1 Far12-3-SINOL3_ Far12-3-SINOL3_ Far11-5-SINOL3_ Far12-5-SINOL3_ Far12-5-SINOL3_ Far14-5-SINOL3_ Far14-5-SINOL3_ Far14-5-SINOL3_ Far14-5-SINOL3_	Test Room Test Room Test Room Test Room Test Room Test Room Test Room Test Room Test Room	Card	Pm		192.3 192.3 192.3 192.3 192.3 192.3 192.3 192.3 192.3
	Date and Tax 201-07-01-00-01-00-00-01 201-07-01-00-00-01 201-07-01-00-00-01 201-07-01-00-00-01 201-07-01-00-01-00-01	Event Type Ingut Operad Ingut Operad	Description	Control Research		$\label{eq:result} \begin{split} & F_{0}(1) = O(1) F_{0}(1) \\ & F_{0}(1) = O(1) F_{0}(1) \\ & F_{0}(1) = S(1) \\ & F_{0$	Test Room Test Room	Card	Par		Refer 192.3 192.3 192.3 192.3 192.3 192.3 192.3 192.3 192.3
59.472	Date and Time 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-17 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11 201-070-21 0.070-11	Event Type Input Operad Input Operad	Description	Cestal Basson		Part1-ODML2_1 Far11-ODML2_1 Far11-ODML2_1 Far12-3-SINOL3_ Far12-3-SINOL3_ Far11-5-SINOL3_ Far12-5-SINOL3_ Far12-5-SINOL3_ Far14-5-SINOL3_ Far14-5-SINOL3_ Far14-5-SINOL3_ Far14-5-SINOL3_	Test Room Test Room	Conf	~		192.3 192.3 192.3 192.3 192.3 192.3 192.3 192.3 192.3

Figure 64: Map Management Screen

2. Click the New Element icon.

The Map properties window appears.

Description		New Map			
Map Image			1	Sele	t Image
			1	Sele	ct None
Add Devices		Type:	Network		Select
Selected Device	s:				
Туре	Description				
Remove	Clear All				

Figure 65: Map Properties Window

- 3. Give the map a name. Type a description in the **Description** text box.
- 4. Click **Select Image** to select the image to be used in the map.

The Select Image File Name window appears.



Figure 66: Select Image Window



Note:

The image files are taken from the MU's USB flash drive, the MU cannot import images and files from remote disk drivers.

5. Select a graphic file for the Status Map background. Click **OK**. The file selected is shown in the Map Image field.

The files types supported are one of the following formats: jpg, gif, or bmp.

- 6. Add Networs to the map.
 - In the Type select box select Network. Click Select. The Select Network window opens

C ExpansE Main Unit
Select All Select None

Figure 67: Select Networks Window

 Select one or more networks from the list of available networks.

You can also click **Select All** to select all of the available networks or **Select None** to deselect all of the networks.

- Click OK. The device selected appears in the Selected Devices field.
- Repeat the process for Controllers, Doors, Readers, Inputs, outputs, panels, etc.



Figure 68: Map Properties Window – with devices

7. To remove devices from the list, select a device in the selected devices field and click **Remove**. To remove all of the devices click **Clear All**.

Click OK to return to the map management window.

8. Click the **Design** icon **b** to enter design mode.

Note:
It is highly recommended to add devices and place them in the design mode in batches to
queid clutter in large installations

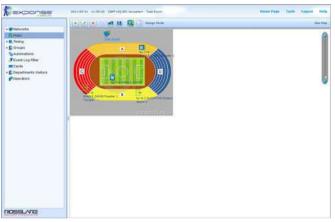


Figure 69: Map Design Mode

9. The objects appears on the status map. Drag each device to its correct position.



Note: Status map icons can also be added to other status maps, indicating where the two map areas meet.

10. Click the **Run** icon 😫 to enter Run mode.

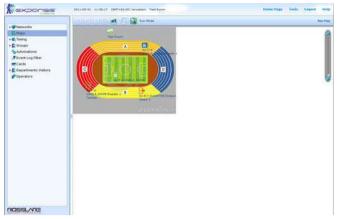


Figure 70: Map Run Mode

7.8 Defining Timing

Timing refers to a group of time periods within a week. Door access rights, as well as input and output behavior, can all be set to behave differently for each time zone. Many operations can be automatically enabled or disabled within a selected time zone.

To set a new time zone:

1. In the tree view, select Timing, and then Time Zones.

		1.00								
er metworks										
Maga	Description									
Timno	literat.									
Const Entres	An-ar									
2 Holdaya										
Groupe										
Automations										
Event Log Filter										
Carde										
Departments Visitors										
Operators										
					1-27mm2					
					1-1764-1 11					
	Format System _ All		entis)							
	Formet Types: (At	e) (f) (opend +	Ownial Reason		Darry Kaine	Referre Roma	Carel	~	
	Contraction of the Assessment			Ownial Reason	.94	Surre Kans for (1-0008d,)		Carel	~	
	Date and Date	Eveni Tape		Genial Feature	.94		Ted Form	fami	r.	199.0
	Date and Ime 2013 10 21 10 20 14	Event Type David Opened		Ornial Reason	.94	4w (1-005/84),1	Tad Room Test Room	Cami	~	198.0 198.0
	Date and Here 2011 137-21 10-30148 3011-175-32 10-30-48	Eventi Tape Diput Operad Diput Operad		Genial Feature	.94	6w (1-000844,3 6w (2-000844,3	Tad Room Feet Room Tad Room	Geef (7	1992.0 1992.0 1992.0
	Date and line 2011/05/21 00.00.00.00 2011/05/21 00.00.00 2011/05/21 00.00/14	Event Type Irani Operat Irani Operat Irani Operat		Genial Reason	.94	8 - 12-000864,3 8 - 12-000864,3 8 - 12-0-80864,3	Tad Room Yest Room Tad Room	Geel (17	296.0 080.0 080.0
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	Defensional Home 2010 30 40 40 40 3011 30 50 40 40 3011 50 30 40 40 3011 50 30 40 40 3011 40 40 40 40 3011 40 40 40 40 3011 40 40 40 40 3011 40 40 40 40 3011 40 40 40 40 3011 40 40 40 40 3011 40 40 40 40 3011 40 40 40 40 3011 40 40 40 40 3011 40 40 40 40 3011 40 40 40 40 3011 40 40 40 40 3011 40	Event Tape Fund Quentel Fund Quentel Fund Quentel Fund Quentel Fund Quentel Fund Quentel Fund Quentel Fund Quentel Fund Quentel		Owniel Reason	.94	4x (1-9008.5) 4x (1-9008.5) 5x (1-9008.5) 5x (1-9088.6) 5x (1-9088.6) 5x (1-9088.6) 5x (1-9088.6) 5x (1-9088.6) 5x (1-9086.6) 5x (1-9086.6)	Tadi Sasin Tedi Kasin Tedi Kasin Tedi Kasin Tedi Kasin Tedi Kasin Tedi Kasin Tedi Kasin Tedi Kasin	(red)	P.	1990,00 1990,00 1990,00 1990,00 1990,00 1990,00 1990,00 1990,00 1990,00
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Figure 71: Timing window

2. On the toolbar, click the **New** icon to create a new time zone or select one of the time zones and click **Edit**.

The Time Zone Properties window opens.

Description	New times	zone			from	00:00	To : 00 : 00	÷ OK
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Holiday
08:00								
08:30								
09:00								
09:30								
10:00								
10:30								
22:00								
22:30								
\$2:00								
12:30								
13:00								
13:30								
14:00								
24:30								
15:00								
25:30								
16:00								
16:30								
17:00								
17:30								

Figure 72: Time Zone Properties window

- 3. In the **Description** field, type a name for the time zone.
- 4. Set the start and end time of the time zone typing hours and minutes in the **From** and **To** fields or use the associated up and down arrows.
- 5. Select the days for which the time period is within the time zone. The "Holiday" day can be set to include national holidays.
- 6. Click the Clear All button to clear the selection.
- 7. Click **OK** to save your settings. The window closes and the display area displays the new time zone.

Description	Always				from	00:00	To 001 00	22	κ.,
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Holiday	
08:00		T	1			1	1	1	T
08:30									
09:00									
09:30									
10:00									
10:30									
11:00									
11:30									
12:00									
12:30									
13:00									
13:30									
14:00									
14:30									
15:00									
15:30									1
26:00									
16:30									
27:00									
12:30						1			

Figure 73: Time Zone window

8. In the tree view, select Timing, and then Holidays.

9. On the toolbar, click the **New** icon to create a new holiday or select one of the holidays and click **Edit**.

The Holiday Properties window appears.

Description	
New Holiday	
Date	
2010-11-15	a
Every year	

Figure 74: Holiday Properties window

- 10. In the **Description** field, type a name for the holiday.
- 11. Type the holiday's date in the **Date** field or open the calendar by clicking the calendar icon and select the date.
- 12. Check the **Every Year** checkbox to repeat the holiday on a yearly basis on the same date.
- 13. Click OK to save your settings.

7.9 Creating Access Groups

An access group includes a list of door readers and the time zones during which each of those door readers are available for access. Every user is assigned to an access group.

The Access Group window lists all the door readers defined in the database, and the time zones during which they can be accessed.

To create an access group:

1. In the Tree View, expand the **Groups** element and select **Access Groups**.

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Maps	mantar										
Timing	interferring .										-
Groups											
C ACCESS DIVISION											
Pinputs Groups											
Outputs Groups											
Ellevator Groups											
Automations											
Event Log Filter											
Carda											
Departments Visitors											
Operators											
					1-2 Point 2						
	Event System : A3		agend [*]		1-1 Post 1						
	Gausset Types and	(*) (*) (*	ngend (*)	Denial Reason		Score Name	Refused Karne	Card	-		-
	And Control of Control			Denial Research		Searce Name Au-11-DOUBLE		Card	F		
	Date and Tore	Faret Sym		Genial Reserve			Test Room	Card	1		10
	Oate and Time 2012-00-01.58(20-18	Farest Pages. Input Special		Denial Reason		Au-11-004818,0	Tasl Room Tasl Room	Card	L	11	82
	Oale and Tone 2011-09-01 18-00-18 3011-09-01 10-08-14	Frent Type Input Spenal Input Spenal		Denial Reason		8+11-004813,0 8+11-004813,0	Tast Room Tast Room Tast Room	Gerd	1	10	和和和
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	Cafe and Tene 2014 - 07-01, 10, 20-10, 2014 - 07-01, 10, 20-10, 2014 - 07-01, 10, 20-10, 2014 - 07-01, 10, 20-10, 2014 - 07-01, 10, 20-20	Frenh Type Input Spened Input Spened Input Spened Input Spened Input Spened		Denial Research		Au-11-004843,0 Fe-11-004843,0 Fe-12-5-004043,0 Fe-12-5-004043,0	Tadi Room Tadi Room Tadi Room Tadi Room Tadi Room	Card	ł	10 11 11 11 11	14. 12. 14. 14. 14. 14.
	Confer and Time 2011 - 07-01 - 05 - 05 - 07 - 07 2011 - 07-01 - 07 - 07 - 05 - 07 2011 - 07-01 - 07 - 07 - 07 2011 - 07-01 - 07 - 07 2011 - 07-01 - 07 - 07 2011 - 07-01 - 07 2011 - 07 2	Frenh Type Input Spened Input Spened Input Spened Input Spened Input Spened		Desid Passer		Au-11-004863,7 Fu-11-004863,7 Fu-12-5-20463, Fu-12-5-20463, Fu-12-5-20463,	Taal Room Taal Room Taal Room Taal Room Taal Room	Card	Pa	10 11 12 12 12 12 12 12 12 12 12 12 12 12	和 彩 起 起 起
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	Outer and Time 2011 -0.1 -0.2 -0.1 2011 -0.2 -0.2 -0.2 -0.2 2011 -0.2 <t< td=""><td>Frent Peen Insut Spenal Insut Spenal Insut Spenal Insut Spenal Insut Spenal Insut Spenal Insut Spenal</td><td></td><td>Denial Research</td><td></td><td>4x-11-004812, Fx-11-004812, Fx-12-5-204012, Fx-12-5-204012, Fx-11-5-204012, Fx-5-2-204012, Fx-5-2-204012,</td><td>Taal Room Taal Room Taal Room Taal Room Taal Room Taal Room Taal Room Taal Room</td><td>Gerf</td><td>Pa.</td><td>41 11 12 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14</td><td>12. 12. 12. 12. 12. 12. 12. 12. 12. 12.</td></t<>	Frent Peen Insut Spenal Insut Spenal Insut Spenal Insut Spenal Insut Spenal Insut Spenal Insut Spenal		Denial Research		4x-11-004812, Fx-11-004812, Fx-12-5-204012, Fx-12-5-204012, Fx-11-5-204012, Fx-5-2-204012, Fx-5-2-204012,	Taal Room Taal Room Taal Room Taal Room Taal Room Taal Room Taal Room Taal Room	Gerf	Pa.	41 11 12 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14	12. 12. 12. 12. 12. 12. 12. 12. 12. 12.
	Optics and Time: 3011 - 400-54 56. 30-10 3011 - 400-54 56. 30-10 3011 - 400-51 50. 30-10 3011 - 400-51 50. 30-10 3011 - 400-51 50. 30-10 3011 - 400-51 50. 30-10 3011 - 400-51 50. 30-10 3011 - 400-51 50. 30-10 3011 - 400-51 50. 30-10 3011 - 400-51 50. 30-10 3011 - 400-51 50. 30-10	Frent Pyre Insul Toronal Insul Spendi Insul Spendi Insul Spendi Insul Spendi Insul Spendi Insul Spendi Insul Spendi Torona Spendi		Record Revenue		4v-11-004843 Fy-11-004843 Fy-11-004843 Fy-12-5-00444 Fy-12-5-0	Taal Aason Taal Aason Taal Aason Taal Aason Taal Aason Taal Aason Taal Aason Taal Aason	Cert	-	10 10 10 10 10 10 10 10 10 10 10 10 10 1	N2. N2. N2. N2. N2. N2. N2. N2. N2. N2.
	Open and Time 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34 301 x = 00 - 31 x = 0.00 + 34	Frent Fyre Insut Eperant Insut Eperant Insut Eperant Insut Eperant Insut Eperant Insut Eperant Insut Eperant Insut Eperant Insut Eperant		Deniel Research		Au-11-004843) Fy-11-004843) Fy-12-5-094643 Fy-12-5-094643 Fy-12-5-094643 Fy-12-5-094643 Fy-12-094643 Fy-12-094643 Fy-12-094643 Fy-12-094643	Taal Rapp. Taal Rapp. Taal Rapp. Taal Rapp. Taal Rapp. Taal Rapp. Taal Rapp. Taal Rapp. Taal Rapp.	Cert	Pr.		N2. N2. N2. N2. N2. N2. N2. N2. N2. N2.
	Dirty and Term 2014 -01 - 01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01 2014 -01 - 01 - 01 - 01	Frent Fyre Invest Spennel Invest Spennel Invest Spennel Invest Spennel Invest Spennel Invest Spennel Invest Spennel Invest Spennel Invest Spennel		Devid Parent		4+11-00-861, 5+11-00-861, 5+12-5-00-60, 5+12-5-00-60, 5+12-5-00-60, 5+12-5-00-60, 5+2-5-00, 5+2	Taul Room Taul Room Taul Room Taul Room Taul Room Taul Room Taul Room Taul Room Taul Room Taul Room	Card	Pr.		192.1 192.1 192.1 192.1 192.1 192.1 192.1 192.1 192.1 192.1
59.472	Optic and Time 2014 -07-54 10-20 10 2014 -07-54 10-20 10 2014 -07-54 10-20 10 2014 -07-54 10-20 10 2014 -07-54 10-20 10 2014 -07-54 10-20 10 2014 -07-54 10-20 10 2014 -07-54 10-20 10 2014 -07-54 10-20 10 2014 -07-54 10-20 10 2014 -07-54 10-20 10 2014 -07-54 10-20 10 2014 -07-54 10-20 10	Frent Fyre Ingel Townell Ingel Townell	Providen	Deniel Barrow		Au-11-00-88.0.) Fu-11-00-88.0.) Fu-12-5-0396.0. Fu-12-5-0396.0. Fu-12-5-0396.0. Fu-12-5-0396.0. Fu-5-0-0396.0. Fu-5-0-0396.0. Fu-1-6-0396.0. Fu-1-6-0396.0. Fu-1-6-0396.0.	Tani Rases Tani Rases	Cert	~		N2. N2. N2. N2. N2. N2. N2. N2. N2. N2.

Figure 75: Access Group window

2. On the toolbar, click the **New** icon. The Access Group properties window opens.

Description		
New Access Group		
Reader	Timezone	Remove
Readers List		
Eu-3-DOUBLE_DOO		Add
Eu-3-DOUBLE_DOO	R/Reader 2	

Figure 76: Access Group Properties window

- 3. In the **Description** field, type a name for the access group.
- 4. From the *Readers List* select the readers you wish to associate with this group and click **Add**.

Description			
Master			
Reader	Timezone		Remove
Eu-3-DOUBLE_DOOR/Reader	Always	Y	
Eu-3-DOUBLE_DOOR/Reade	Always		
Readers List			
			Add

Figure 77: Access Group Properties Window with Associated Readers

- 5. For each of the readers select a time zone association.
- 6. Select a reader and then click **Remove** to remove the readers from the association list.
- 7. Click **OK** to save your settings.

7.10 Creating Input Groups

Input groups are a collection of Inputs from one or more panels that can be used in panel links to perform advanced operations.

To set an Input Group

- 1. In the Tree View, expand the **Groups** element and select **Input Groups**.
- 2. Click the **New** icon.

A new input group is created.

Description	
New Inputs group	
Selected Items	
Add Items	
▶ 📴 📋 MU-1-20	101110-134121

Figure 78: Input Group Window

- 3. In the **Description** field, type a name for the input group.
- 4. Within Add Items check all the inputs you wish to add.
- 5. Click Select All to add all of the inputs shown.
- 6. Click Select None to deselect all of the inputs selected.
- 7. All of the associated inputs will be shown in the *Selected Items* section.

escription	
ew Inputs group	
elected Items	
u-1-ELEVATOR/Fire	
u-1-ELEVATOR/Case	Tamper
u-1-ELEVATOR/Low E	lattery
d Items	Let
🛅 🗹 Rosslare cer	nter 🔄
💌 📴 🗹 EU-1-ELE	VATOR
🗋 🗹 EU-1-E	LEVATOR/Fire
🗋 🗹 EU-1-E	LEVATOR/Case Tamper
🗋 🗹 Eu-1-E	LEVATOR/Low Battery
🕫 🗹 Eu-2-IO	
🗋 🗹 Eu-2-1	0/Spare 1
🗋 🗹 Eu-2-I)	0/Spare 2
Select All	Select None

- Figure 79: Input Group Window with Selected Inputs
- 8. Click **OK** to save your settings.

7.11 Creating Output Groups

Output groups are a collection of Outputs from panel or panels that can be used in panel links to perform advanced operations.

To set an Output Group

- 1. In the Tree View, expand the Groups element and select Output Groups.
- 2. Click the New icon.

A new Output group is created.

- 3. In the **Description** field, type a name for the output group.
- 4. Within Add Items check all the outputs you wish to add.

Description		
New Output group		
Selected Items		
Add Items		
🕶 🗀 🛛 Rosslare cer	nter	
V 🗁 📃 EU-1-ELE	VATOR	
🗋 🔲 EU-1-E	LEVATOR/Output Spare 1	110
🗋 🔲 EU-1-E	LEVATOR/Output Spare 2	e.
🗋 🔲 EU-1-E	LEVATOR/Output Spare 3	l
🗋 📃 EU-1-E	LEVATOR/Output Spare 4	l
🗋 📃 EU-1-E	LEVATOR/Output Spare S	l
🗋 🔲 EU-1-E	LEVATOR/Output Spare 6	
Select All	Select None	

Figure 80: Output Group Window

- 5. Click Select All to add all of the outputs shown.
- 6. Click Select None to deselect all of the outputs selected.
- 7. All of the associated outputs will be shown in the *Selected Items* section.
- 8. Click **OK** to save your settings.

7.12 Creating Elevator Groups

Elevator groups are a collection of inputs and outputs from various EUs that can be linked to perform advanced operations, such as Elevator control.

To set an Elevator Group

- 1. In the Tree View, expand the **Groups** element and select **Elevator Groups**.
- 2. Click the **New** icon.

A new Elevator group is created.

- 3. In the Description field, type a name for the elevator group.
- 4. In the *Reader List* section check all the readers you wish to add to the group.

Description			
New elevator group			
Reader	Timezone	Output Group	Remove
Readers List			
Eu-3-SIMPLE_DOOR/Read Eu-3-SIMPLE_DOOR/Read			Add

Figure 81: Output Group Window

- 5. All of the associated readers will be shown in the list.
- 6. For each of the selected readers select an associated **Timezone** and **Output Group**.
- 7. Click OK to save your settings.

7.13 Automation

Set various automated applications by associating various input and reader events with various output actions.

To define various automatic operations:

- 1. In the Tree View, expand the Automation element.
- 2. Click the New icon.

A new automation activity is created.

escription	New Automatic	n	
ource Type	Input	🔹 🔹	elect
ource Name	Eu-3-DOUBLE	DOOR/REX 2	
Source Event	Input's conta	ct trouble	
Destination Type	Output	Si	elect
Destination Name	Eu-2-10/Outp	ut Spare 1	(v
estination Operation	Output active		
Operation Timeout	00:00		
Time Zone	Always		-
Enabled			

Figure 82: Automation Properties Window

- 3. In the **Description** field, type a name for the automated activity.
- 4. From the **Source Type** list, select the desired source and click **Select**.
- 5. From the **Source Name** list, select the specific source, this select box will only be available after you selected a source type.
- 6. Based on the source selected various events are shown in the **Source Event** list, select the event you wish to use.
- 7. From the **Destination Type** list, select the desired output type and click **Select**.

- 8. From the **Destination Name** list, select the specific output, this select box will only be available after you selected a destination type.
- Based on the output selected various operations are shown in the Destination Operation list, select the operation you wish to perform.
- 10. Type the minutes and seconds in the **Operation Timeout** field or use the up and down arrows to set the a time frame for the operation timeout.
- 11. Select a time zone for this operation from the Time Zone list.
- 12. Check the **Enable** checkbox to enable the automated operation.
- 13. Click **OK** to save your settings.

7.14 Defining Cards

The ExpansE Web Based application database maintains a list of every user card or PIN that has ever been assigned. The Add Cards window defines:

- The type of reader needed to read the card
- The number of cards to create

To Define Cards:

- 1. In the Tree View, select Cards.
- 2. On the toolbar, click the **New** icon.

The Add Cards window appears.

Viegand 26 Bits (with Facility Code	
Cards Quantity	1)
Start From		
	(1 To 65535)	
Facility Code	0	1
	(0 To 255)	

Figure 83: Add Cards Window

- 3. From the **Reader Type** list, select the type of reader appropriate for the cards being enrolled.
- 4. In the **Cards Quantity** field, type the number of cards to add.
- 5. Type the number of the first card in the set in the Start From field.
- 6. Set the Facility Code as required, and then click OK.

A dialog reports that the operation has been completed.

7.15 Defining Departments and Users

Every user is grouped within a department. The ExpansE web based application stores contact details for each user, associated card details, and user access rights.

The User Properties window has three tabs:

- General tab displays identification and control information
- Details tab records user contact details
- Codes tab displays information about cards associated with the user

To create departments:

1. In the tree view, expand the Departments Visitors element and select Departments.

		1								
 Webwarks 	First Same	Last the		thear Number		Access Group				
Maps .	and a					Patter				
Timing .				1		de la				
Croups										
Automations										
Fivent Log Filter										
Carde										
C Departments Visitors										
* Chicatower										
General										
C RBO										
Harketing										
& Same										
E visitors										
Coperators					Continues a					
Le observers	1									
	Assert System A3		agend (+)							
	Oate and Tone 4	sent Pase.	Description	Denial Reason	iner Kerre	Scores Rame	Retwork Karne	Card	Per-	Refe
	2012-07-01 10:20-18	rest Seried				Au-11-DOUBLE,F	Test Room			482.0
						#1-11-DOUBLE_C	Test Rulet			197.1
	3011-09-0110-08-04	haut Downed								
		nput Lipened				8+12-5-00014	Tasi Koon			182.1
	2012-09-01 38:20-15					8y-12-5-039013, 8y-12-3-039043,				
	2011-09-01 20:00:05 1 2011-09-01 10:00:05 1	nput tipened					Tast Room			183.1
	2012-09-01 20:20-25 1 2012-09-01 20:20-25 1 2012-09-01 20:20-26 1	nput Opened nput Opened				8+12 2 40% (Tast Room Tast Room			182.2 293.3
	3011-09-01 30.00-05 3 3011-09-01 30.00-05 4 3011-09-01 30.00-06 3 2011-09-01 30.00-06 4	nput Opened nput Opened nput Opened				8x-12-3-12904,8, 6x-11-5-12904,8,	Tast Room Tast Room Tast Room			182.) 293.3 192.3
	3012-09-31 30:30-15 1 2012-09-31 30:30-15 1 2012-09-31 30:30-16 1 2012-09-31 30:30-16 1 3012-09-31 30:30-16 1	nput Opened nput Opened nput Opened nput Opened				8x-12-3-2290,8 6x-12-5-52900,8 8x-11-5-52900,8	Tast Room Tast Room Tast Room			182.2 280.3 282.2 282.5
	2012-09-21 20120-15 1 2012-09-21 20200-15 1 2012-09-21 20200-16 1 2012-09-21 20200-16 1 2012-09-21 20200-16 1 2012-09-21 20200-10 10	ngut Opened ngut Opened ngut Opened ngut Opened ngut Opened				8+123100,0 6+115100,0 8+115100,0 8+93106,0	Taat Room Taat Room Taat Room Taat Room			198.0 298.0 298.0 298.0 298.0 298.0
	2013-08-21 (0.30-15) 3013-08-21 (0.30-15) 3013-08-21 (0.30-16) 3013-08-21 (0.30-16) 2013-08-21 (0.30-16) 2013-08-21 (0.30-16) 2013-08-21 (0.30-17) 2013-08-21 (0.30-17)	ngut Opened ngut Opened ngut Opened ngut Opened ngut Opened ngut Opened				8+1232064 8+1252064 8+1252064 8+1252064 8+522064 8+522064	Teal Asses Teal Asses Teal Asses Teal Asses Teal Asses Teal Asses			192.0 193.0 193.0 193.0 193.0 193.0 193.0 193.0 193.0
	3113 08-01 08 00 03 1 1113 08-01 08 00 04 1 1114 08-01 08 08 04 1 1114 08-01 08 08 01 1 1114 08-01 08 08 08 08 08 1114 08-01 08 08 08 1114 08-01 08 08 08 1114 08-01 08 1114	nput Opened nput Opened nput Opened nput Opened nput Opened nput Opened nput Opened				$\label{eq:result} \begin{split} & h_{1}(2) \geq 120 h_{1} h_{1} \\ & h_{2}(1) \geq 5100 h_{1} h_{1} \\ & h_{2}(1) \geq 5200 h_{1} h_{1} \\ & h_{2}(2) \leq 1200 h_{1} h_{2} \\ & h_{2}(2) \leq 1200 h_{1} h_{2} \\ & h_{2}(2) \leq 1200 h_{1} h_{2} \end{split}$	Taat Raam Taal Raam Taal Raam Taat Raam Taat Raam Taat Raam			182.1 190.1 190.1 190.1 190.1 190.1 190.1
	2011/08-01 (0.0013) 1 2011/08-01 (0.0013) 1	nput Diperceal reput Diperceal reput Diperceal reput Diperceal reput Diperceal reput Diperceal reput Diperceal				8+12-5-12964 6+12-5-12964 8+11-5-12964 8+5-2-12964 8+5-2-12964 8+7-4-12964 8+1-4-12964	Taat Raam Taal Raam Taal Raam Taat Raam Taat Raam Taal Raam Taat Raam			198.1 298.5 1982.5 1982.5 1982.5 1982.5
059,472	$\begin{array}{c} 3011 + 60 - 21 + 21 + 20 + 22 + 3 \\ 2011 + 60 - 21 + 21 + 20 + 20 + 20 \\ 2011 + 60 - 21 + 20 + 20 + 20 + 20 \\ 2011 + 60 - 21 + 20 + 20 + 20 + 20 \\ 2011 + 60 - 21 + 20 + 20 + 20 + 20 \\ 2011 + 60 - 21 + 20 + 20 + 20 + 20 \\ 2011 + 60 - 21 + 20 + 20 + 20 + 20 + 20 \\ 2011 + 60 - 21 + 20 + 20 + 20 + 20 + 20 \\ 2011 + 60 - 21 + 20 + 20 + 20 + 20 + 20 + 20 \\ 2011 + 60 - 21 + 20 + 20 + 20 + 20 + 20 + 20 + 20 +$	nput Epened nput Epened nput Epened nput Epened nput Epened nput Epened nput Epened nput Epened	 Love an 			$\label{eq:2.1} \begin{split} & S_{21}(2) > 12 {\rm Mir}(4), \\ & S_{21}(1) > 5 {\rm Mir}(4), \\ & S_{22}(1) > 5 {\rm Mir}(4), \\ & S_{22}(2) {\rm Mir}(4), \\ \\ & S_{22}(2) {\rm Mir}(4)$	Teel Room Teel Room Teel Room Teel Room Teel Room Teel Room Teel Room Teel Room			182.0 293.0 293.0 293.0 293.0 293.0 193.0 293.0

Figure 84: Departments / Users / Visitors Window

2. To create a new Department, click the New icon.

The Department dialog appears.

Description		
New departm	ent	

Figure 85: Department Dialog

3. Type a name for the department, and then click **OK**.

To create users:

- 1. In the tree view, expand the Departments Visitors element.
- Select a department and click the New icon.
 The User Properties window appears in the general tab.

General	Details	Codes	
First Nam Middle Na		New User	
Last Nam Departm		General	1.
Access G	roup	Master	
alid date/		10-11-15	10. 27 (*)
Valid From	1 20	010-11-15	10: 37 🔹
Valid From	1 20	910-11-15 III	10: 37 🔹
Valid From	1 20	and a second second second	

Figure 86: User Properties Window – General Tab

- 3. Type the user's first name in the First Name field.
- 4. Type the user's middle name in the Middle Name field.
- 5. Type the user's last name in the Last Name field.
- 6. From the **Department** Select box, associate the user to one of the departments you created
- 7. From the Access Group Select box, associate the user to an access group.
- 8. Set the access validity date and time. For limited access right, check the **Until** checkbox and set the final date and time.
- 9. Click the **Details** tab to continue.

General	Details	Codes	
utomation	8		
User Sele	cted Output	t Group	
None			•
Elevator 0	Broup		
None			(•)
Access	Granted Co	ommand	
🗌 Handic Counter	apped		
Enable	d Counter		
🔲 Set Ne	w Counter		
Rights			
🔲 Antipas	ssback Imm	unity	
Extend	led door op	en time	
	_		
			Company of the local division of the local d

Figure 87: User Properties Window – Details Tab

- 10. Set the Automation options:
 - Select an output group previously created from the User Selected Output Group select box.
 - Select an Elevator group previously created from the Elevator Group select box.
 - Check the Access Granted Command or Access Denied Command checkboxes to set the command activation method.
 - Check the Handicapped checkbox, to set handicapped privileges.
- 11. Set the counter options:
 - Check the Enable Counter checkbox to activate.
 - o Check the Set New Counter checkbox to reset.
- 12. Set the access right options:
 - Check the **Antipassback Immunity** checkbox, to override any antipassback restrictions for this user.
 - Check the Extended door open time checkbox, to allow this user extended unlocked door duration. The extended duration is set for each door.
- 13. Click the Codes tab to continue.

General	Deta	ils	Codes		
ard Codes					
Facility Co	ide	Card	Number		Status
Add Fro	m List		Remove	[Add	Manually

Figure 88: User Properties Window - Codes Tab

- 14. Set the card associated to the user, you have one of several options to do so:
 - Click the Add From List button to select a card already added to the system.
 - Select a card from the list shown and click the **Remove** button to remove the card associated to the user.
 - Click the Add Manually button to type the card number then click the Add From List button to associate it with the user.
- 15. Define one or two PIN codes associated with the user:
 - Define the length of the PIN for this user, type or use the arrows in the **Digits** text box.
 - Type a PIN number based on the length defined in one or both of the **Code** text boxes.
 - Click the Auto Pin button to automatically generate a random PIN.
- 16. Click OK to save your settings.

7.16 Defining Visitors

The ExpansE web based application stores details for each visitor, associated card, and visitor access rights.

To create visitors:

- 1. Expand the **Departments Visitors** element, and select **Visitors**.
- 2. On the toolbar, click the **New** icon. The User Properties visitor window open in the General tab.

First Name	man and a second	Codes	Visitor	
Middle Nar Last Name	ne	New Visi	tor	
Access Gro	шр	Master		
lid date/ti /alid From		10-11-15	- (
] Until	100	10-11-16		10:38

Figure 89: User Properties Visitor Window – General Tab

- 3. Type the visitor's first name in the First Name field.
- 4. Type the visitor's middle name in the Middle Name field.
- 5. Type the visitor's last name in the Last Name field.
- 6. From the Access Group Select box, associate the visitor to an access group.
- 7. Set the access validity date and time. For limited access right, check the **Until** checkbox and set the final date and time.
- 8. Click the **Details** tab to continue.

Enabled Counter			Visitor	
None • Elevator Group • None • Access Granted Command • Access Denied Command • Handicapped •	tomation			
Elevator Group Elevator Group Access Granted Command Access Denied Command Handicapped Counter Enabled Counter	ser Selected Output	Group		
None Access Granted Command Access Denied Command Handicapped Counter Enabled Counter	None			
Access Granted Command Access Denied Command Handicapped Counter Enabled Counter	levator Group			
Access Denied Command Handicapped Counter Enabled Counter	None			
Handicapped Counter Enabled Counter] Access Granted Co	mmand		
Counter] Access Denied Con	nmand		
Enabled Counter] Handicapped			
	unter			
E	Enabled Counter			
Set New Counter	Set New Counter			
Rights	ihts			
Antipassback Immunity	Antipassback Imm	unity		
Extended door open time	Extended door ope	en time		

Figure 90: User Properties Visitor Window – Details Tab

- 9. Set the Automation options:
 - Select an output group previously created from the User Selected Output Group select box.
 - Select an Elevator group previously created from the Elevator Group select box.
 - Check the Access Granted Command or Access Denied Command checkboxes to set the command activation method.
 - Check the Handicapped checkbox, to set handicapped privileges.
- 10. Set the counter options:
 - Check the **Enable Counter** checkbox, to activate the counter.
 - Check the Set New Counter checkbox, to reset the counter.
- 11. Set the access right options:
 - Check the Antipassback Immunity checkbox, to override any antipassback restrictions for this visitor.
 - Check the Extended door open time checkbox, to allow this user extended unlocked door duration. The extended duration is set for each door.

12. Click the Codes tab to continue.

	Details	Codes	Visitor	
ard Code:	5			
Facility Co	ode Car	d Number		Status
Add Fro		Remove	Add Ma	eu allu
Add Fro		Kemove	AUG Ma	nuony
IN Codec				
		1		
Digits	•			
Digits Code	Auto PIN		Digits 4 Code	Auto PIN

Figure 91: User Properties Visitor Window – Codes Tab

- 13. Set the card associated to the visitor, you have one of several options to do so:
 - Click the Add From List button to select a card already added to the system.
 - Select a card from the list shown and click the **Remove** button to remove the card associated to the visitor.
 - Click the Add Manually button to type the card number then click the Add From List button to associate it with the visitor.
- 14. Define one or two PIN codes associated with the visitor:
 - Define the length of the PIN for this visitor, type or use the arrows in the **Digits** text box.
 - Type a PIN number based on the length defined in one or both of the **Code** text boxes.
 - Click the Auto Pin button to automatically generate a random PIN.
- 15. Click the Visitor tab to continue.

General	Details	Codes	Visitor		
Visitor id	entification	r			
Hosting (department	None			•
Hosting (user	None			•
Commen	t	1			
🔲 until	(2010-	11-15	10:	38	
		11-15	10 :	38	
		11-15 a	10	30	
		11-15	10 :	38 *	

Figure 92: User Properties Visitor Window – Visitor Tab

- 16. Type an identification for the user in the **Visitor identification** field.
- 17. Select the department hosting the user from the Hosting department list, add a host from the Hosting User list.
- 18. Type any additional comments in the Comment field.
- 19. Set the access validity for the visitor by setting the validity date and time.
- 20. Click OK to save your settings.

7.17 Setting Event Log Filters

You can set which events are viewed in the event log view and which are not.

To set the event log filter:

- 1. In the tree view, select the Event Log Filter option.
- 2. Click the New icon.

The Event filter window opens

Description	New Ev	ent filter	K	
Source Type	Input			
Select which a	events no	t be save	d	
📋 Input Ope	ned			
Input Clos	ed			
Input Trou	ble			
Selected Devi	0.57.0	110-1341	21	
Select /	AII	Sele	ect None	

Figure 93: Even Filter Window

- 3. In the **Description** field, type a name for the event filter rule.
- Select the devices associated with the event filter rule from the Selected Devices section. Click Select All to add all of the devices. Click Select None to deselect all of the devices selected.
- 5. Select the source type from the Source Type list.
- 6. Select which events will NOT appear in the log file nor be saved in the system by checking the checkbox next to each event.
- 7. Check the Enabled checkbox to activate the filter.
- 8. Click **OK** to save your settings.

7.18 Defining Operators

Operators are people with access to the ExpansE web application. The default operator name is administrator.

Different operators have wider or more restricted security rights, from complete control over the system to the ability only to view one section. All Operator passwords are case-sensitive.

To define operators:

- 1. In the tree view, select the Operator option.
- 2. Click the **New** icon.

The Operator Properties window opens

lame	New Operator	Password		
anguage	English 🔹	Confirm Password		
	Screen	Permission		
	🖾 Events	Read	•	
	😾 Networks	Read	•	
	Configuration	Read	•	
	Poperators	Read	•	
	🕴 Visitors	Read	•	
	🔀 Settings	Read	•	

Figure 94: Operator Properties Window – New

- 3. Type the Operator's name in the Name Field.
- 4. Type the operators' password in the **Password** field, retype the password in the **Confirm Password** field to confirm it.
- 5. Set the user interface language for this operator using the Language select box
- 6. Set the operators permission rights for each of the screens.
- 7. Click **OK** to save your settings.



Note:

Up to one administrator can be logged in simultaneously.

8. Configuration Wizards

The ExpansE web based application has several wizards for quick and simple configuration the wizards can be accessed at any time from the application's home page.

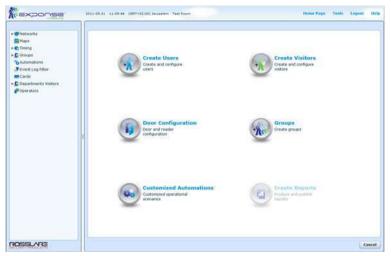


Figure 95: ExpansE Wizards

8.1 Customized Automation Wizard

This wizard guides you in the process of associating various input and reader events with various output actions to create automated activities.

To use the Automation Wizard:

1. From the ExpansE homepage click on the customized automation icon.



Figure 96: Customized Automation Wizard Icon

2. The customized automation welcome page appears.

 Welcome to automation wizard!!!
This wizard will guide you through the process of setting customized operational scenarios.
Automation Description:

Figure 97: Customized Automation Wizard Welcome Page

 Type a name for the process in the automation description field and click Next> to continue. The Source page appears.

ource Type	Input 🕞 Sel	ect
ource Name		
ource Event	Input's contact closed	•

Figure 98: Customized Automation Wizard Source Page

- 4. Pick the source type from the **Source Type** list and click **Select**.
- 5. Select the name of the source to use from the **Source Name** list which will appear after selecting a source type.
- 6. Select the event initiating the automated activity from the **Source Event** List.
- 7. Click **Next>** to move on to the next step, the Destination page appears.

Destination Type	Output	Select
Destination Name		
Destination Operation	Output active	•
Operation Timeout	00:00	

Figure 99: Customized Automation Wizard Destination Page

- 8. Pick the destination type from the **Destination Type** list and click **Select**.
- Select the name of the destination to use from the Destination Name list which will appear after selecting a destination type.
- 10. Select the operation of the automated activity from the **Destination Operation** List.
- 11. Type the minutes and seconds in the **Operation Timeout** field or use the up and down arrows to set the a time frame for the operation timeout.
- 12. Click **Next>** to move on to the next step, the Activation page appears.

Always		•	
Enabled Au	itomation		
🗹 Enabled			

- 13. Select a time zone for this operation from the Time Zone list.
- 14. Check the **Enable** checkbox to enable the automated operation.
- 15. Click **Next**> to complete the wizard process. The Automation Wizard Complete page appears.



Figure 100: Automation Wizard Complete Page 16. Click View Report to open the automation report window.

Details of the auton	nation you created:
Description	a
Source Type	Reader
Source Name	Eu-3-DOUBLE_DOOR/Read
Source Event	Access Granted
Enabled	true
Destination Type	Output
Destination Name	Eu-1-ELEVATOR/Output Sp
Destination Operation	Output active
Time Zone	Always

Figure 101: Automation Wizard –Report Window

- 17. Click **OK** to close the window and return to the automation Wizard Complete page.
- 18. Click **Back** to go back and make changes if needed. Click **Finish** to exit the wizard.

8.2 Create Users Wizard

The Create Users wizard guides you through the process of adding users, setting the user basic parameters, assigning a user to groups (if created, see Creating Access Groups, on page 79), assigning user departments and other credentials.

To use the user setup wizard:

1. From the ExpansE homepage click on the create user icon.



Figure 102: Create User Wizard Icon



Figure 103: User Wizard Welcome Page

- 2. The user wizard welcome page opens, click **Next>** to move on to the next step. The user details page opens.
- 3. Set the user details:
 - Type the user's first name in the **First Name** field, this field is mandatory.
 - Type the user's middle name in the **Middle Name** field if applicable.
 - o Type the user's last name in the Last Name field.
 - From the Department Select box, associate the user to one of the departments you created

• From the Access Group Select box, associate the user to one of the access groups you created

User details	-	
First Name 🔹		
Middle Name		
Last Name		
Department	General	•
Access Group	Master	•

Figure 104: User Wizard – User Details Page

- 4. Click **Next**> to move on to the next step, the Access Validity page opens.
- 5. Set the access validity date and time. For limited access right, check the **Until** checkbox and set the final date and time.

Set your card	validity:	
Valid From	2010-11-16	11: 26
🗌 Until	2010-11-17	11: 26

Figure 105: User Wizard – Validity Page

6. Click **Next**> to move on to the next step, the Automation page opens.

oup	
•	
and	
nd	
7	v v nand

Figure 106: User Wizard – Automation Page

- 7. Set the Automation options:
 - Select an output group previously created from the User Selected Output Group select box.
 - Select an Elevator group previously created from the Elevator Group select box.
 - Check the Access Granted Command or Access Denied Command checkboxes to set the command activation method.
 - Check the **Handicapped** checkbox, to set handicapped privileges.
- 8. Click **Next**> to move on to the next step, the Access rights page opens.

Counter				
🔲 Enabled	Counter			
🔲 Set New	Counter			
Rights				
🗌 Antipass	back Imm	unity		
🗌 Extende	d door op	en time		

Figure 107: User Wizard – Access Rights Page

- 9. Set the counter options:
 - Check the **Enable Counter** checkbox, to activate the counter.
 - Check the Set New Counter checkbox, to reset the counter.
- 10. Set the access right options:
 - Check the Antipassback Immunity checkbox, to override any antipassback restrictions for this user.
 - Check the Extended door open time checkbox, to allow this user extended unlocked door duration. The extended duration is set for each door.
- 11. Click **Next>** to move on to the next step, the card association page opens.

Facility Code	Card Number	Status

Figure 108: User Wizard – Card Association page

- 12. Set the card associated to the user, you have one of several options to do so:
 - Click the Add From List button to select a card already added to the system.
 - Select a card from the list shown and click the **Remove** button to remove the card associated to the user.
 - Click the Add Manually button to type the card number and associate it with the user.
- 13. Click **Next>** to move on to the next step, the PIN code association page opens.

et PIN	code to your	card:		
ligits	4	Digits	4	
Code		Code		
	Auto PIN		Auto PIN	

Figure 109: User Wizard – PIN code association page

- 14. Define one or two PIN codes associated with the user:
 - Define the length of the PIN for this user, type or use the arrows in the **Digits** text box.
 - Type a PIN number based on the length defined in one or both of the **Code** text boxes.
 - Click the Auto Pin button to automatically generate a random PIN code.
- 15. Click **Next>** to complete the wizard process. The User Wizard Complete page opens.



Figure 110: User Wizard Complete Page

16. Click View Report to open the user report window.

Details of the user you	created:	
First Name	user	-
Middle Name		
Last Name		
Department	General	
Access Group	Master	
User Selected Output Group	None	
Elevator Group	None	
Valid From	2010-11-16 11:26	
Access Granted Command	false	
Access Denied Command	false	
Handicapped	false	
Enabled Counter	false	
Set New Counter	false	
Antipassback Immunity	false	1
Extended door open time	false	

Figure 111: User Wizard – User Report Window

- 17. Click **OK** to close the window and return to the User Wizard Complete page.
- 18. Click **Add new user** to return to step 3 and repeat the process for an additional user. Click **Back** to go back and make changes if needed. Click **Finish** to exit the wizard.

8.3 Create Visitors Wizard

The Create Visitor wizard guides you through the process of adding users that are defined as visitors.

To use the visitor setup wizard:

1. From the ExpansE homepage click on the create visitor icon.



Figure 112: Create Visitor Wizard Icon

2. The Visitor wizard welcome page opens, click **Next**> to move on to the next step. The user details page opens.



Figure 113: Visitor Wizard Welcome Page

- 3. Set the user details:
 - Type the user's first name in the First Name field, this field is mandatory.
 - Type the user's middle name in the **Middle Name** field if applicable.
 - o Type the user's last name in the Last Name field.
 - From the Access Group Select box, associate the user to one of the access groups you created

First Name 🔹	I
Middle Name	
Last Name	
Access Group	Master

Figure 114: Visitor Wizard – Visitor's Details Page

4. Click **Next>** to move on to the next step, the Access Validity page opens.

5. Set the access validity date and time. Check the **Until** checkbox and set the final date and time for the visitor's access rights.

Set your card	validity:	
Valid From	2011-06-09	12: 18
🔄 Until	2011-06-09	13: 18

Figure 115: Visitor Wizard – Validity Page

6. Click **Next**> to move on to the next step, the Automation page opens.

Automation Outputs Group				
None		•		
Elevator Group		1.1		
None		•		
Access Grante	d Comman	d		
Access Denied	Command			
Handicapped				

Figure 116: Visitor Wizard – Automation Page

- 7. Set the Automation options:
 - Select an output group previously created from the Output Group select box.
 - Select an Elevator group previously created from the Elevator Group select box.

- Check the Access Granted Command or Access Denied Command checkboxes to set the command activation method.
- Check the Handicapped checkbox, to set handicapped privileges.
- 8. Click **Next**> to move on to the next step, the Access rights page opens.

Visitor Wizard	
Counter	
Enabled Counter	
New Counter	* *
Current Counter: 0	
Rights	
🗌 Antipassback Immunity	
Extended Door Open T	ime
Canc	el < Back Next> Finish

Figure 117: Visitor Wizard – Access Rights Page

- 9. Set the counter options:
 - Check the **Enable Counter** checkbox, to activate the counter.
 - Check the Set New Counter checkbox, to reset the counter.
- 10. Set the access right options:
 - Check the Antipassback Immunity checkbox, to override any antipassback restrictions for this visitor.
 - Check the Extended door open time checkbox, to allow this visitor extended unlocked door duration. The extended duration is set for each door.
- 11. Click **Next>** to move on to the next step, the card association page opens.

	Status

Figure 118: Visitor Wizard – Card Association page

- 12. Set the card associated to the visitor, you have one of several options to do so:
 - Click the Add From List button to select a card already added to the system.
 - Select a card from the list shown and click the **Remove** button to remove the card associated to the visitor.
 - Click the Add Manually button to type the card number and associate it with the visitor.
- 13. Click **Next>** to move on to the next step, the PIN code association page opens.

Set PIN	l code to your	card:	
Digits Code	4 🔹	Digits Code	4 •
	Auto PIN		Auto PIN

Figure 119: Visitor Wizard – PIN code association page

- 14. Define one or two PIN codes associated with the visitor:
 - Define the length of the PIN for this visitor, type or use the arrows in the **Digits** text box.
 - Type a PIN number based on the length defined in one or both of the **Code** text boxes.
 - Click the Auto Pin button to automatically generate a random PIN code.
- 15. Click **Next>** to move on to the next step, the host association page opens.

Hosting details		
visitor identification	I	
Hosting department	None	(•)
Hosting user	None	(*)
Comment		
/isit date/time		
🔄 Until	2011-06-09	12:19

Figure 120: Visitor Wizard – Host association page

- 16. Define the visitor's host details:
 - Type identification, such as a company name, for the visitor in the Visitor identification text box.
 - Select the department hosting the visitor from the **Hosting department** select box.
 - Select the user within the selected department hosting the visitor from the **Hosting user** select box.
 - o Type comments if applicable in the Comment text box.
 - Check the **Until** checkbox and set the date and time for the conclusion of the scheduled visit.
- 17. Click **Next>** to complete the wizard process. The Visitor Wizard Complete page opens.



Figure 121: Visitor Wizard Complete Page

- 18. Click View Report to open the Visitor report window.
- 19. Click **OK** to close the window and return to the Visitor Wizard Complete page.
- 20. Click **Add New Visitor** to return to step 3 and repeat the process for an additional visitor. Click **Back** to go back and make changes if needed. Click **Finish** to exit the wizard.

8.4 Doors Wizard

The doors wizard guides you through the process of adding doors to the system and configuring them.

To use the Doors wizard:

1. From the ExpansE homepage click on the doors icon.



Figure 122: Doors Wizard Icon

2. The Doors wizard welcome page opens, click **Next>** to move on to the next step. The door selection page opens.



Figure 123: Doors Wizard Welcome Page

3. Select the door EU you wish to define from the list of EUs under each MU.

Door Wiz	ard				
Please sel	ect a door i	to configure	00		
v 🗁 🔳 I	4U-1-2011	0110-0222	59		
00	Eu-1-SIN	IGLE_DOOR	2		
0 2	Eu-3-SIN	IGLE_DOOR			
	_	(1998) (1998)		Cascing	
		Cancel	< Back	Next >	

Figure 124: Doors Wizard – Door Selection Page

4. Click **Next**> to move on to the next step, the Door Details page opens.

Description +	Eu-3-SINGLE_DO	DR/Door
Door output polarit	y is normally closed	
🗹 Rex Enabled		
🗹 Manual Door Open E	Enabled	
Auto Relock	None	•
🗹 Timezone logic	New timezone 3	
First Person Delay		

Figure 125: Doors Wizard – Door Details Page

- 5. Define the Door details:
 - Type a description for the selected door in the **Description** text box.
 - Determine the door polarity by checking or un-checking the Door output polarity is Normally Closed checkbox.
 Select this checkbox to ensure Fail Safe door opening if the Fail Safe door Lock Device power fails.
 Once enabled, the door output relay is activated when the door is closed, and is deactivated when the door is open.

In this configuration, the Fail Safe lock device should be wired to the door relay N.O. (Normal Open) and COM (Common) terminals

- Check the **REX enabled** checkbox to allow Requests to Exit for this door.
- Check the Manual Door Open Enabled checkbox to allow operators to adjust the door manually. See Manual Door Control under Manual Operation, on page 127.
- Select the Timezone Logic checkbox to initiate the time zone logic options and select the desired output from the list.
- Check the **First person Delay** checkbox to keep the door locked until the first user opens it.
- 6. Click **Next>** to move on to the next step, the Door Timers page opens.

Door open time	(00 ;	04 🕄	(min:sec)
Extended Door Open T	ime (00:	08 🗘	(min:sec)
Z Door Forced	(00 ;	02 🛟	(min:sec)
Door held open	1	00 :	02	(min:sec)

Figure 126: Doors Wizard – Door Timers Page

- 7. Define the various timers for the doors:
 - Set the duration for which the door stays unlocked by typing minutes and seconds in the **Door open time** field or use the associated up and down arrows.
 - Set the duration for which the door stays unlocked for users with Extended door open rights by typing minutes and seconds in the Extended Door open time field or use the associated up and down arrows.
 - Set the duration following which and when the door is forced open, an event occurs. Select the **Door forced** checkbox to use this timer and type the minutes and seconds in the associated field or use the up and down arrows.
 - Set the duration for which the door can be held open without raising an alarm event. Select the **Door held open** checkbox to use this timer and type the minutes and seconds in the associated field or use the up/down arrows.
- 8. Click **Next>** to move on to the next step, the Reader Properties page opens.

Configuration Wizards

Reader Properties			
Description 🔹	Eu-	3-SINGLE_DOOR/Reader 1	
Direction		⊙ In _) 0	out
Operation Mode		Card or Pin	•
Secured (card+pin) time	zone	Never	•
<eypad td="" type<=""><td></td><td>Weigand 6 bits Rosslare</td><td></td></eypad>		Weigand 6 bits Rosslare	
Reader Type	Weiga	and 26 Bits with Facility Code	•
Open Door Activation			

Figure 127: Doors Wizard – Reader Properties Page

- 9. Define the reader properties associated with the door:
 - o In the Description field, type a name for the reader.
 - Select whether the reader is allowing entry into the area or exit out of the area by selecting either the In or Out option.
 - From the Operation Mode list Select how the reader operates:
 - Inactive: The reader is not in use.
 - Card Only: The reader will accept RFID cards only.
 - PIN Only: The reader will accept PIN inputs only.
 - Card or PIN: The reader will accept both cards and PIN codes.
 - **Desktop**: The reader is inactive, but is being used to record new cards on the computer.
 - No Access Mode: The reader will grant access to no users.
 - Using the Secured (Card+PIN) time zone list select a time zone during which access should be granted only after both the card and PIN are entered.

The PIN must be entered within 10 seconds of card entry.

- From the **Keypad Type** list, select the data transmission type for the type of keypad hardware.
- From the **Reader Type** list, select the data transmission type for the reader hardware.

- Check the **Open Door Activation** checkbox to allow the reader to unlock the door.
- Check the **Deduct User Counter** checkbox to record this entry against the user's entry allowance counter.
- 10. Click **Next>** to complete the wizard process. The Door Wizard Complete page opens.



Figure 128: Door Wizard Complete Page

11. Click View Report to open the door report window.

Details of the door you	configured:	
Door 1:		A
Description	Eu-3-SINGLE_DOOR/Door	
Auto Relock	None	
Door output polarity is normally closed	false	8
Door open time	00:04	
Extended Door Open Time	00:08	T
Door Forced	00:02	
Rex Enabled	true	
Manual Door Open Enabled	true	
Timezone logic	New timezone 3	
First Person Delay	true	н
Reader 1:		L
Description	Eu-3-5INGLE_DOOR/Reader 1	

Figure 129: Door Wizard – Report Window

- 12. Click **OK** to close the window and return to the Door Wizard Complete page.
- 13. Click **Back** to go back and make changes if needed. Click **Finish** to exit the wizard.

8.5 Groups Wizard

The Groups wizard guides you through the process of creating the various available groups in the system: Access groups, Input Groups, Output Groups, and Elevator groups.

Access Groups

This section describes the use of the Groups wizard when creating Access Groups.

To create access groups using the Groups wizard:

1. From the ExpansE homepage click on the groups icon.



Figure 130: Groups Wizard Icon

2. The Groups wizard welcome page opens, choose Access Groups from the **Select Group** select box.



Figure 131: Groups Wizard Welcome Page

3. Click **Next>** to move on to the next step. The Access group definition page opens.

2	Description * Access Group	1		
•	Reader	Timezone		
	Eu-1-SINGLE_DOOR/Reader 1	Always		
	Readers List			
	Eu-1-SINGLE_DOOR/Reader 2		Ĵ.	
1	Eu-3-SINGLE_DOOR/Reader 1			

Figure 132: Groups Wizard – Access Group Definition Page

- 4. In the **Description** field, type a name for the access group.
- 5. From the *Readers List* select the readers you wish to associate with this group and click **Add**.
- 6. For each of the readers select a time zone association.
- 7. Select a reader and then click **Remove** to remove the readers from the association list.
- 8. Click **Next>** to complete the wizard process. The Groups Wizard Complete page opens.



Figure 133: Groups Wizard Complete Page

9. Click **Back** to go back and make changes if needed. Click **Finish** to exit the wizard.

Input Groups

This section describes the use of the Groups wizard when creating Input Groups.

To create input groups using the Groups wizard:

1. From the ExpansE homepage click on the groups icon.



Figure 134: Groups Wizard Icon

2. The Groups wizard welcome page opens, choose Input Groups from the **Select Group** select box.



Figure 135: Groups Wizard Welcome Page

3. Click **Next**> to move on to the next step. The Input group definition page opens.

Page 121

Description + Input G	iroups 2	
Select Inputs:		
C Eu-1-52	NGLE_DOOR/Fire	
🗋 🔲 Eu-1-SI	NGLE_DOOR/Case Tamper	
Eu-1-SI	NGLE_DOOR/Low Battery	
¥ 🛅 🔳 Eu-2-10		1
📋 🗹 Eu-2-10	/Spare 1	-
🗋 🛄 Eu-2-10	/Spare 2	
EU-2-10	/Spare 3	
D D Eu-2-10	/Spare 4	
Select All	Select None	

Figure 136: Groups Wizard – Input Group Definition Page

- 4. In the **Description** field, type a name for the input group.
- 5. Within Select inputs check all the inputs you wish to add.
- 6. Click Select All to add all of the inputs shown.
- 7. Click Select None to deselect all of the inputs selected.
- 8. Click **Next>** to complete the wizard process. The Groups Wizard Complete page opens.



Figure 137: Groups Wizard Complete Page

9. Click **Back** to go back and make changes if needed. Click **Finish** to exit the wizard.

Output Groups

This section describes the use of the Groups wizard when creating Output Groups.

To create output groups using the Groups wizard:

1. From the ExpansE homepage click on the groups icon.



Figure 138: Groups Wizard Icon

2. The Groups wizard welcome page opens, choose Output Groups from the **Select Group** select box.



Figure 139: Groups Wizard Welcome Page

3. Click **Next>** to move on to the next step. The Output group definition page opens.



Figure 140: Groups Wizard – Output Group Definition Page

4. In the **Description** field, type a name for the output group.

- 5. Within *Select outputs* check all the inputs you wish to add.
- 6. Click Select All to add all of the output shown.
- 7. Click Select None to deselect all of the outputs selected.
- 8. Click **Next>** to complete the wizard process. The Groups Wizard Complete page opens.



Figure 141: Groups Wizard Complete Page

9. Click **Back** to go back and make changes if needed. Click **Finish** to exit the wizard.

Elevators Groups

This section describes the use of the Groups wizard when creating Elevators Groups.

To create elevators groups using the Groups wizard:

1. From the ExpansE homepage click on the groups icon.



Figure 142: Groups Wizard Icon

2. The Groups wizard welcome page opens, choose Elevators Groups from the **Select Group** select box.



Figure 143: Groups Wizard Welcome Page

3. Click **Next>** to move on to the next step. The Elevators group definition page opens.

Reader Eu-1-	9	Timezone	Outputs Group
	_DOOR/Reader	Always •	Outputs Group 2
Remo Reader			
Eu-1-SI	NGLE_DOOR/R	eader 2 eader 1	1

Figure 144: Groups Wizard – Output Group Definition Page

- 4. In the **Description** field, type a name for the elevator group.
- 5. Within *Reader List* select and click **Add** for all the readers you wish to add to the group.
- 6. For each reader:
 - Select a time zone association from the Timezone select box.
 - Select the associated output group from the Output Group select box.
- 7. Select a reader and then click **Remove** to remove the readers from the association list.
- 8. Click **Next>** to complete the wizard process. The Groups Wizard Complete page opens.



Figure 145: Groups Wizard Complete Page

9. Click **Back** to go back and make changes if needed. Click **Finish** to exit the wizard.

9. Manual Operation

In addition to automated monitoring and control of the access control network, it is also possible to control the network directly from the ExpansE web based application.

9.1 Manual Door Control

The Door Manual Operation window allows an operator to open or close a selected group of doors directly.

To manually open or close a door:

1. On the toolbar, click the **Open Door Manually** icon.

The Door Manual Operation window opens.

0.00	n permanen n momentar se output an	ly (dosed	by timer)	return to d	
ielect C	ours				
	¥ MU-1-20				

Figure 146: Door Manual Operation window

- 2. Select an option:
 - Open permanently All selected doors are opened.
 - **Open momentarily** All selected doors are opened for the time set in the timer box.
 - Close output Close the selected doors and return to default mode.
- 3. Select the checkboxes of those doors to which to apply the operation.

Click **OK** to perform the operation.

Note:



Door Manual Operation can only control doors that have been set as Manual Door Open Enabled in the Door Properties window.

10. ExClouds PC Set-Up

This section refers to the ExClouds software required for reports production. For more on this software contact your dealer.

10.1 Minimum Requirements

- Supported Operating Systems;
 - o Windows XP SP3
 - o Windows Server 2003 SP2
 - Windows Vista SP1 or later
 - Windows Server 2008 (not supported on Server Core Role)
 - o Windows 7
 - Windows Server 2008 R2 (not supported on Server Core Role)
- Supported Architectures:
 - o x86
 - o x64
 - ia64 (some features are not supported on ia64 for example, WPF)
- Hardware Requirements:
 - Recommended Minimum: Pentium 1 GHz or higher with 512 MB RAM or more
 - Minimum disk space:
 - x86 850 MB
 - x64 2 GB

10.2 ExClouds Software Installation

The ExClouds installation is done in two steps, first install the actual ExClouds software followed by the report module as described in detail in this chapter.

To install the ExClouds Software:

1. Locate the ExClouds Setup.exe file in the CD provided or in the folder where you saved the installation package you received from Rosslare and run it. The Welcome screen appears.



- Figure 147: ExClouds Setup wizard welcome screen 2. Click Next > to begin the installation. The *Select*
- Click Next > to begin the installation. The Select Installation Folder window appears.

J Exclouds		Le X
Select Installation F	Folder	
The installer will instal Excloude to	o the following lolder.	
To install in this lolder, click "Next	t". To instal to a different folder,	enter it below or click "Browse".
<u>F</u> older		
Eolder: C:\Program Files (x86 \Rossla	re\Exclouds\	Biowse
	re\Exclouds\	Browse.
C:\Program Files (x86 \Rossla	re\Exclouds\ for anyone who uses this compu	Disk Cost
C:\Program Files (x86 \Rossla		Disk Cost

Figure 148: ExClouds Select installation folder screen

3. Type the installation location in the Folder field. Alternatively use the browse... button to select the location. Use the Disk Cost... button to show available space on your computer

ne ist below includes the equited disk space.	drives you can instal Exclouds to,	along with each drive	s available ar
Volume	Disk Size	Available	Requi
a c	449GB	30668	42
🗩 D.	16GB	2566MB	0
E E	99MB	96MB	0
	585GB	1368	0
₹P	585GB	1368	0
	201	1	,

Figure 149: ExClouds Disk Space screen

Browse:	🖆 Exclauds	•	
Ölder:	C:\Program File: (x86)\Rosslare\Exclouds\		

Figure 150: ExClouds Browse for Folder screen

 Select the availability of the software to users using the computer between Everyone or Just me, and click Next > to continue. The Confirm Installation window appears.

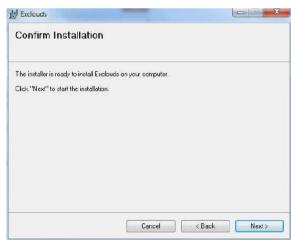


Figure 151: ExClouds Confirm Installation screen

5. Click **Next** > to confirm the installation and to initiate the installation process. The *Installing ExClouds* window appears. Once the progress bar indicating the installation process is complete, the *Installation Complete* window will appear automatically.

Exclouds	_	and the second second	X
Installing Exclouds			
Exclouds is being installed.			
Please wait			
	Cancel	< Back	Nex! >

Figure 152: ExClouds Installing ExClouds screen

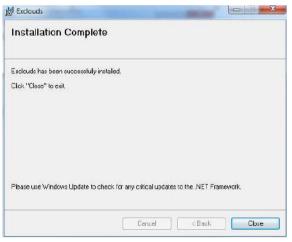


Figure 153: ExClouds Installation Complete screen

- 6. Click Close to exit the installation setup.
- 7. Locate the CRRedist2008_x86.msi file in the same location as the setup file and run it. The software will install

automatically. Once complete the installation window will close automatically.



Figure 154: Reporting Software Installation

10.3 ExClouds Setup

This section shows how to start the ExClouds software and how to configure it to work with the ExpansE web application.

To configure the ExClouds software:

1. Click the ExClouds icon ⁴/₆ from either the desktop or the start menu. The ExClouds software login screen opens.



Figure 155: ExClouds Login screen

- 2. Enter your password and click Login. The default password is *admin*.
- 3. Enter your password and click **Login**. The default password is *admin*. The ExClouds main window opens



Figure 156: ExClouds Main Window

4. Click the Settings Icon, the Option window opens

lease select a com	noction to dovice!
lease select a com	lection to device:
lsemame:	roat
assword;	****
Host:	192,168.10.70
Remote Location:	/mnt/data/vicilat
Application params	
.ogin Password:	•••••
Confirm Password:	•••••
	Save

Figure 157: ExClouds Option Window

- 5. Define the Host ExpansE system by entering the ExpansE's IP in address In the Host field.
- 6. Enter the ExpansE's user name in the Username field
- 7. Enter ExpansE's password corresponding with the user name entered in the and **Password** field
- 8. Define the ExClouds password in the Login Password and Confirm Password fields and click Save.
- 9. Open the *Database Option* window by clicking the **Database** icon

elect database options	
Backup Now	
Backup Now	
Backup folder	
	Browse
	Browse

Figure 158: ExClouds Database Option Window

- Choose between uploading the Database and backing up the existing database if the system is already configured and running.
- 11. You can initiate the various reports directly from the ExClouds software by selecting the desired report from the tree view on the left. See the various report options and complete instruction on each report in chapter 11 Reports Wizard, on page 135.

11. Reports Wizard

In order to create reports or run the reports wizard the ExClouds software needs to be installed.

First time users please refer to Chapter 10 ExClouds PC Set-Up, on page 128, before attempting to run the reports wizard.

11.1 Initiating the Report Wizard

The Report wizard guides you through the process of creating various reports from the ExpansE web application as described in detailed in this chapter.

To initiate the report wizard:

1. Click the ExClouds icon ⁴/₆ from either the desktop or the start menu. The ExClouds software login screen opens.



Figure 159: ExClouds *Login* screen

2. Enter your password and click **Login**. The default password is *admin*. The ExClouds main window opens with the optional reports open on the left.



Figure 160: ExClouds main window with report option open

3. Select the desired report and follow the wizard steps as described in detail in the following sections.

11.2 Creating Roll Call Reader Report

A roll call reader report generates a report showing access granted events for specific readers based on specific times.

To create a roll call reader report:

- 1. Initiate the reports wizard as described in Initiating the Report Wizard, on page 135.
- 2. Select the Roll Call Readers Report located under Live Report. The *Roll Call Readers* Welcome screen opens.



Figure 161: Roll Call Readers Wizard – Welcome screen

3. Click **Next**> to start defining the report options. The *Parameter* screen opens.

which reader	rs would you like in your report?
Eu-3-SINGLE_DOOR/Reade Eu-3-SINGLE_DOOR/Reade	Add
	Add All
	Remove
<	Remove All
< >	
	Poducing period

Figure 162: Roll Call Readers Wizard – Parameter screen

 In the parameter screen select the readers desired for the report from the list of available readers on the left and click Add. You can also use the Add All button to select all of the readers available.

To remove readers from the selection list, select the reader from the list on the right, to remove from the report and click **Remove** alternatively you can click the **Remove All** button to remove the entire list of readers.

5. Define the number of days you wish to view in the report by typing the number in the **Days** field or using the scroll-bar.

Check the Hours option to define a specific number of hours, then type the number in the **Hours** field or use the scroll-bar.

6. Click **Next**> to define the look of the report in the report design template screen.

Roll Call Readers	
Select template to the report	
Standard LeadingSreak	
LeadingBreak Radikut Shading Table	
Table	
	==
	-
Cancel	< Back Generate repo

Figure 163: Reports wizard – Report Design Template screen

- 7. Select the desired report template from the list of available templates, a preview will appear on the right.
- 8. Click the Generate Report button to issue the report.

11.3 Creating Last Known Position Report

The last known position report creates a report showing the last valid entry for all of the users in the system for the last day.

To create a last known position report:

- 1. Initiate the reports wizard as described in Initiating the Report Wizard, on page 135.
- 2. Select the Last Known Position Report located under Live Report. The Last Known Position Welcome screen opens.



Figure 164: Roll Call Readers Wizard – Welcome screen

- Click Next> to define the look of the report in the report design template screen, see Figure 163: Reports wizard – Report Design Template screen, on page 137.
- 4. Select the desired report template from the list of available templates, a preview will appear on the right.
- 5. Click the Generate Report button to issue the report.

11.4 Creating System Report

The system report is the most detailed report available, it shows various (or all) events for selected devices based on event types and specified time frames.

To create a system report:

- 1. Initiate the reports wizard as described in Initiating the Report Wizard, on page 135.
- 2. Select the **System Report** located under **Interactive Report**. The *System Report* Welcome screen opens.



Figure 165: System Report Wizard – Welcome screen

3. Click Next> to start defining the report options. The *Device Selection Screen* opens

System Report		Σ
	Please select device	
	IN Networks	
	Controllers	
	Doors	
	Readers	
	Inputs	
	Outputs	
	Select all devices	
Cancel	< 8a	Next >

Figure 166: System Report Wizard – Device Selection screen

4. Select the devices you wish to include in the report by checking or un-checking the box adjacent to each of the available devices. Alternatively check the Select all devices option.

The available devices are: Networks, Controllers, Doors, Readers, Inputs and outputs.

5. Click Next> to continue. The *Event Selection Screen* opens.



Figure 167: System Report Wizard – Event Selection screen

- 6. Select the events you wish to include in the report by checking or un-checking the box adjacent to each of the available events.
- 7. Click **Next**> to continue. The *Network and Controller Selection Screen* opens.



Figure 168: System Report Wizard – Network & Controller Selection

- 8. Select the networks and/or controllers you wish to include in the report by checking or un-checking the box adjacent to each of the available controllers or networks.
- 9. Click Next> to continue. The *Producing period Screen* opens.

Poducing perio		
Class Days	1 0	
O Last Months	1 8	
OBetween	12/12/2010 15 and 01/12/2011	1

Figure 169: System Report Wizard – Producing period screen

- 10. Select the desired time frame for the report by either selecting a number of days, the number of months or a time frame based on actual dates.
- 11. Click **Next>** to continue. The *Report save option Screen* opens.

Report title:		
Save as:	report as a file	
File name:	Events Reports	
Save as type:	etten, file (*.humi) 🗸	
Location	CliPtogram Files/Assoliter/Particulti/Smint_Report	-

Figure 170: System Report Wizard – Report save option screen

- 12. In the **Report title** field type a name for the report for easier location and retrival.
- 13. To save the report as a file, check the Export your report as file option. Give the file a name by typing it into the File name: field, select the type of file you wish to save from the Save as type: file option list, and enter or Browse the file Location.

- Click Next> to define the look of the report in the report design template screen, see Figure 163: Reports wizard – Report Design Template screen, on page 137.
- 15. Select the desired report template from the list of available templates, a preview will appear on the right.
- 16. Click the Generate Report button to issue the report.

11.5 Creating an Attendance Report

The attendance report is the most commonly report used; it allows the creation of time & attendance reports defined by readers, users and specific time frames.

To create an attendance report:

- 1. Initiate the reports wizard as described in Initiating the Report Wizard, on page 135.
- 2. Select the Attendance Report located under Interactive Report. The Attendance Report Welcome screen opens.



Figure 171: Attendance Report Wizard – Welcome screen

3. Click Next> to start defining the report options. The User Selection Screen opens

Wh	ch users or de	partments would you	like in your repo	rt?
# R&D		Add	1	
		Add All		
		Remove		
		Remove All	_	

Figure 172: Attendance Report Wizard – User Selection screen

 In the user selection screen select the departments or specific users for the attendance report from the list of available departments and users on the left and click Add. You can also use the Add All button to select all of the users.

To remove users or entire departments from the selection list, select a line from the list on the right, and click **Remove** alternatively you can click the **Remove All** button to remove the entire list of users.

5. Click Next> to continue. The *Reader Selection Screen* opens

Which reade	rs would you like in your report?	
Eu-3-SINGLE_DOOR/Reade Eu-3-SINGLE_DOOR/Reade	Add	
	Add All	
	Remove	
< >	Remove All	

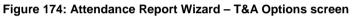
Figure 173: Attendance Report Wizard – Reader Selection screen

6. Select the readers associated with the desired report from the list of available readers on the left and click **Add**. You can also use the **Add All** button to select all of the readers available.

To remove readers from the selection list, select the reader from the list on the right, and click **Remove**, alternatively you can click the **Remove All** button to remove the entire list of readers.

7. Click **Next>** to continue. The *Time & attendace option Screen* opens

Report T	ype			Style			
Only pr	esence time		÷	Detailed repo	rt.		4
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Holiday
Start Wo				Auto Exit End Working			
08:30				17:30			



8. define the various partameters for the time & attendance report.

Select the **Report Type**, the report **Style**, and the relevant days for the report. Define the normal working hours using the **Start Working** and **End Working** select boxes, you can also define Automatic entry and exit in case of missing information by checking the **Auto Arrival** and **Auto Exit** checkboxes respectively.

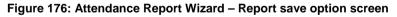
9. Click **Next**> to continue. The *Producing period Screen* opens.

Poducing perio	đ	
Clast Days	18	
Clast Months	1	
OBetween	Select a date 133 and Select a date 13	

Figure 175: Attendance Report Wizard – Producing period screen

- 10. Select the desired time frame for the report by either selecting a number of days, the number of months or a time frame based on actual dates.
- 11. Click **Next>** to continue. The *Report save option Screen* opens.

Report title:		
Save as:	eport as a file	
Rie name:	Attendance Reports	
Save as type:	(1004, file (*,basil)	
Location:	Cliffogram Flier/Houstain/Evidount/Gavest_Report	rbent-



- 12. In the **Report title** field type a name for the report for easier location and retrival.
- 13. To save the report as a file, check the Export your report as file option. Give the file a name by typing it into the File name: field, select the type of file you wish to save from the Save as type: file option list, and enter or Browse the file Location.

- Click Next> to define the look of the report in the report design template screen, see Figure 163: Reports wizard – Report Design Template screen, on page 137.
- 15. Select the desired report template from the list of available templates, a preview will appear on the right.
- 16. Click the Generate Report button to issue the report.

Appendix A. Limited Warranty

ROSSLARE ENTERPRISES LIMITED S (Rosslare) TWO YEARS LIMITED WARRANTY is applicable worldwide. This warranty supersedes any other warranty. Rosslare's TWO YEARS LIMITED WARRANTY is subject to the following conditions:

<u>Warranty</u>

Warranty of Rosslare's products extends to the original purchaser (Customer) of the Rosslare product and is not transferable.

Products Covered By This Warranty and Duration

ROSSLARE ENTERPRISES LTD. AND / OR SUBSIDIARIES (ROSSLARE) warrants that the EXPANSE Access Control system, to be free from defects in materials and assembly in the course of normal use and service. The warranty period commences with the date of shipment to the original purchaser and extends for a period of 2 years (24 Months).

Warranty Remedy Coverage

In the event of a breach of warranty, ROSSLARE will credit Customer with the price of the Product paid by Customer, provided that the warranty claim is delivered to ROSSLARE by the Customer during the warranty period in accordance with the terms of this warranty. Unless otherwise requested by ROSSLARE ENTERPRISES LTD. AND / OR SUBSIDIARIES representative, return of the failed product(s) is not immediately required.

If ROSSLARE has not contacted the Customer within a sixty (60) day holding period following the delivery of the warranty claim, Customer will not be required to return the failed product(s). All returned Product(s), as may be requested at ROSSLARE ENTERPRISES LTD. AND /OR SUBSIDIARY'S sole discretion, shall become the property of ROSSLARE ENTERPRISES LTD. AND /OR SUBSIDIARIES.

To exercise the warranty, the user must contact Rosslare Enterprises Ltd. to obtain an RMA number after which, the product must be returned to the Manufacturer freight prepaid and insured

In the event ROSSLARE chooses to perform a product evaluation within the sixty (60) day holding period and no defect is found, a minimum US\$ 50.00 or equivalent charge will be applied to each Product for labor required in the evaluation.

Rosslare will repair or replace, at its discretion, any product that under normal conditions of use and service proves to be defective in material or workmanship. No charge will be applied for labor or parts with respect to defects covered by this warranty, provided that the work is done by Rosslare or a Rosslare authorized service center.

Exclusions and Limitations

ROSSLARE shall not be responsible or liable for any damage or loss resulting from the operation or performance of any Product or any systems in which a Product is incorporated. This warranty shall not extend to any ancillary equipment not furnished by ROSSLARE, which is attached to or used in conjunction with a Product, nor to any Product that is used with any ancillary equipment, which is not furnished by ROSSLARE.

This warranty does not cover expenses incurred in the transportation, freight cost to the repair center, removal or reinstallation of the product, whether or not proven defective.

Specifically excluded from this warranty are any failures resulting from Customer's improper testing, operation, installation, or damage resulting from use of the Product in other than its normal and customary manner, or any maintenance, modification, alteration, or adjustment or any type of abuse, neglect, accident, misuse, improper operation, normal wear, defects or damage due to lightning or other electrical discharge. This warranty does not cover repair or replacement where normal use has exhausted the life of a part or instrument, or any modification or abuse of, or tampering with, the Product if Product disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.

ROSSLARE does not warrant the installation, maintenance, or service of the Product. Service life of the product is dependent upon the care it receives and the conditions under which it has to operate.

In no event shall Rosslare be liable for incidental or consequential damages.

Limited Warranty Terms

THIS WARRANTY SETS FORTH THE FULL EXTENT OF ROSSLARE ENTERPRISES LTD. AND IT'S SUBSIDIARIES' WARRANTY

THE TERMS OF THIS WARRANTY MAY NOT BE VARIED BY ANY PERSON, WHETHER OR NOT PURPORTING TO REPRESENT OR ACT ON BEHALF OF ROSSLARE.

THIS LIMITED WARRANTY IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES. ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE SPECIFICALLY EXCLUDED.

IN NO EVENT SHALL ROSSLARE BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, OR FOR ANY OTHER INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF USE, LOSS OF TIME, COMMERCIAL LOSS, INCONVENIENCE, AND LOSS OF PROFITS, ARISING OUT OF THE INSTALLATION, USE, OR INABILITY TO USE SUCH PRODUCT, TO THE FULLEST EXTENT THAT ANY SUCH LOSS OR DAMAGE MAY BE DISCLAIMED BY LAW.

THIS WARRANTY SHALL BECOME NULL AND VOID IN THE EVENT OF A VIOLATION OF THE PROVISIONS OF THIS LIMITED WARRANTY.

Appendix B. Technical Support

Asia Pacific, Middle East, Africa

Rosslare Security Products Headquarters 905-912 Wing Fat Industrial Bldg, 12 Wang Tai Road, Kowloon Bay Hong Kong Tel: +852 2795-5630 Fax: +852 2795-1508 E-mail: support.apac@rosslaresecurity.com

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1600 Hart Court, Suite 103 Southlake, TX, USA 76092 Toll Free:+1-866-632-1101 Local:+1-817-305-0006 Fax: +1-817-305-0069 E-mail: <u>support.na@rosslaresecurity.com</u>

Europe

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South America

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