# IQ PANEL 4
## INSTALLATION MANUAL

IQ Panel 4
Software Version 4.0.0

The IQ Panel 4 is an All-In-One 7" touchscreen built with a built-in camera, providing full security and smart home functionality in an easy to use interface.

# SPECIFICATIONS

| Items | Parameters | IQ Panel 4 |
|---|---|---|
| Platform | Android OS | Android 9 |
| LCD Display | Size | 7" LCD |
| | Resolution | 1280 x 800 pixels |
| | Brightness | 300 cd/m2 |
| | RGB Color | 24bit, 16.9 million colors |
| Processor | 8 Core | Qualcomm SnapDragon 8 Core SOM (System On a Module) with 16 GB of NAND Flash |
| Touchscreen | Type | Capacitive glass multi-touch |
| User Codes | Up to 242 | Role based (Dealer, Installer, Master, User, Guest, Duress) |
| Network | WiFi | Wi-Fi 802.11 a/b/g/n/ac dual band 2.4/5ghz - including built-in router capability |
| | Cellular | LTE CAT4 (Bands 2/25, 4/66, 5/26, 7, 12/17, 13, 14 (non-First Net) |
| Z-Wave Plus 700 | Up to 137 Devices | 137 total devices (80 lights, 20 Locks, 10 Thermostats, 21 Misc, 6 Garage Doors) |
| PowerG | Up to 128 devices | 915 MHz, long range, secure encrypted two-way wireless |
| Security RF | | Depending on the model; either S-Line encrypted 319.5MHz, 345MHz or 433MHz |
| Bluetooth | Disarming, Audio Streaming | Qualcomm Bluetooth Low Energy (BLE) 4.2 |
| Flash Memory | Internal Storage | 16GB NAND Flash |

| Items | Parameters | IQ Panel 4 |
|---|---|---|
| LED Indicator | Status LED | Green (Disarmed), Red (Armed), Triple full color RGB LED |
| Speakers/Siren | 4w x 4 | QuadSound 4x Front Facing 4watt speakers and 85dB siren |
| Camera | Front Camera | 8MP wide angle 120° field of view, fixed focus camera with FlexTilt adjustment |
| Microphone | MEMs x 3 | 3 MEMs (micro electro mechanical system) Microphones with echo cancellation |
| Tamper | Tamper Switch | Dual Panel and wall tamper switch with spring release |
| Battery | Type 18650 | Lithium Ion 3000mAh. Ningbo Veken Battery Co., Ltd, Model VT27 or Icon Energy System Co. Ltd, Model IAN034NA |
| Buttons | Hard Buttton | Single wake/sleep button used for sleep/wake, hard reboot, and clean screen cancel |
| Mechanical | Dimension | 6.1"H x 7.5"W x 1"D (155mm x 191mm x 26mm) |
| Power Supply | AC/DC External Plug-in Adapter | Output: 7vDC 1000mA CC, Input 100-240VAC 50/60Hz. Adapter evaluated at 120vAC for UL/cUL |
| Mount | Back Plate | SmartMount wall mount included. SmartMount table stand or SmartMount IQ Base table stand with built-in subwoofer sold separately. |
| Certification | UL/cUL/ULC | UL/cUL Residential Fire and Burglary and UL/ULC Commercial Burglary Alarm Control Unit. Compliant with standards: UL985, UL1023, UL2610, ULC-S545, ULC-S304 |
| | FCC | 2AAJXQS-IQP4 (may contain additional modules with separate FCC ID's) |
| | IC | 11205A-QSIQP4 |
| | IFETEL | ANCE Certificado No.: Reserved |
| Temperature | Operational | 0 to 49C, up to 93% relative humidity, indoor, dry ordinary locations use only |
| | Storage | -20 to 50C |

Johnson Controls

| Detector Type | Model |
|---|---|
| IQ Door/Window-S | QS1133-840[UL], (UL Listed M/N: 60-362N-10-319.5), QS1135-840, QS1136-840, QS1137-840 |
| IQ Motion-S | QS1230-840[UL], (UL Listed M/N: 60-639-95R), QS1231-840 |
| IQ Glass-S | QS1431-840[UL], (UL Listed M/N: IQ Glass-S) |
| IQ Smoke | QS5110-840[UL] |
| IQ CO | QS5210-840[UL] |
| Keyfobs | QS1331-840 |
| Tilt Sensor | QS1131-840 |
| Flood Detector | QS5536-840 |
| Temperature Sensor | QS5535-840 |
| IQ Hardwire 16-F | QS7133-840[UL] |

**NOTE:** [UL] indicates that the device is certified to UL standards.  These devices are not suitable for UL Commercial Burg applications.

# SUPPORTED POWER-G SENSORS

Johnson Controls

| Detector Type | Model |
| --- | --- |
| Door/Window | PG9945$^{UL\ RF/CB}$ , PG9307$^{UL\ RB}$, PG9309, PG9312$^{UL\ CB}$ |
| Door/Window - Shock Sensor | PG9935$^{UL\ CB}$ |
| Dual Tech (PIR+Microwave) Motion Detector | PG9984(P)$^{UL\ CB}$ |
| Glassbreak Detector | PG9922$^{UL\ CB}$ |
| Heat Detector | PG9936H$^{UL\ RF}$ |
| Keyfobs | PG9929, PG9939, PG9949, PG9938$^{UL\ CB}$ |
| Outdoor Motion Detector | PG9902, PG9974(P), PG9994(P)$^{UL\ CB}$ |
| PIR Motion Detector | PG9904(P), PG9914, PG9924, PG9862, PG9872$^{UL\ CB}$ |
| PIR Motion Detectors with Camera | PG9934(P), PG9944$^{UL\ CB}$ |
| Sirens | PG9901$^{UL\ RF/RB}$, PG9911$^{UL\ RF/RB}$ |
| Smoke Detector | PG9936$^{UL\ RF}$ |
| Wireless CO Detector | PG9933$^{UL\ RF}$ |
| Wireless Repeater | PG9920$^{UL\ CB}$ |
| Vanishing Door/Window Contact | PG9303$^{UL\ CB}$, PG9975$^{UL\ RB}$ |
| PowerG Wired to Wireless Converter (Supervisory window must be set to 200 sec when used with Fire and/or CO devices) | PG9WLSHW8$^{UL\ RFB\ CB}$ |

**NOTE:** Only the PowerG sensors marked with $^{UL\ CB}$ in the table above shall be used in UL/ULC Residential and Commercial Burg (UL2610/ULC-S304 Security Level I-II) listed installations. Devices marked with $^{UL\ RB}$ in the table above shall be used only in UL/ULC Residential Burg (UL1023/ULC-S304 Security Level I) listed installations. Devices marked with $^{UL\ RF}$ in the table above can be used in UL/ULC Residential Fire (UL985/ULC-S545) listed installations.

# Johnson Controls

**This manual applies to the following IQ Panel 4 SKU's**

| Verizon | AT&T | Telus |
|---|---|---|
| IQP4001 | IQP4004 | IQP4007 |
| IQP4001BLK | IQP4004BLK | IQP4007BLK |
| IQP4002 | IQP4005 | IQP4008 |
| IQP4002BLK | IQP4005BLK | IQP4008BLK |
| IQP4003 | IQP4006 | IQP4009 |
| IQP4003BLK | IQP4006BLK | IQP4009BLK |