NXT - 3R/5R Readers
Data Sheet

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Key Features

Sleek Attractive Packages with Ultra Thin Profile

Supervised by Controller for Immediate Notification of Failure

Better Read Range Performance than Competing Products of Similar Size

Credentials are Encrypted

1,000' (300 Meters) Wiring Distance from Controller

Exit/Egress readers carry an "E" suffix and are ordered separately

NXT Series Proximity Readers

Keri's NXT Series Proximity Readers are designed to blend aesthetics, read range performance, and small package size with an extremely thin profile into a product that is priced significantly less than competing proximity readers. The readers are for use exclusively with Keri's revolutionary access control system based on the NXT Series of IP-based Controllers. Using credential encryption and supervising the reader from the controller to check for failure provides a secure reader solution. With an allowable cabling distance of 1,000 feet (300 m) from the controller the NXT Series of Readers dramatically reduce cabling costs when compared to traditional 6 or 7 conductor reader interfaces.

The readers are compatible with all NXT Series Cards and Tags, and HID 125 KHz credentials.

The **NXT-3R** Mullion Reader, designed for mounting on metal window doorframes/mullions, is one of the smallest proximity readers on the market yet offers exceptional read range.

The **NXT-5R** Wall Switch Reader can be mounted on a US single gang electrical box or flat on a wall providing an aesthetically pleasing look.

	NXT-3R/5R Readers Specifications
Features	Thin, attractive proximity reader that reads Keri's propriatary N-series 125KHz credentials as well as HID 125 KHz credentials
	Supervised by controller for immediate notification of failure
	Encrypted credentials
	1,000 feet (300 meters) maximum wiring distance from reader to controller
	IP67 water resistant
	Lifetime warranty
	Hardware
Input Power all types (a)	10 to 14 VDC @ 85 mA typical
NXT-3R (b)	up to 4 inches (10.2 cm)
NXT-5R (b)	up to 6 inches (15.25 cm)
LED Indicator	Standard tri-color (Red, Amber, Green, Off)
Audio Tone	Standard beeper
	Cabling
Bus to Reader Only - Power	18 AWG, 2 conductor, stranded, 1,000 ft. (300 m) maximum run
Bus to Reader Only - Data	22 AWG, 2 conductor, stranded, shielded, twisted pair, 1,000 ft. (300 m) maximum run
	Operating Environment
Temperature	-40˚ F to 149˚ F (-40˚ C to 65˚ C)
Humidity	0-90%, Non Condensing
	Mechanical Specifications
Dimensions	**NXT-3R:** 3.75 in H x 1.6 in W x 0.625 in D (9.5 cm x 4.1 cm x 1.6 cm)
	NXT-5R: 4.18 in H x 2.95 in W x 0.625 in D (10.6 cm x 7.5 cm x 1.6 cm)
Weight	**NXT-3R:** 2.6 oz. (74 g)
	NXT-5R: 3.5 oz. (99 g)

NXT-3R/5R Readers Specifications	
Compliance and Product Warranty	
Certifications	CE, FCC, CSA Std. C22.2, UL294
Warranty	Lifetime warranty against failure under normal use and care - physical abuse is not covered
Ordering Information & Related Products	
Model Number	**Description**
NXT-3R (c)	Mullion Mount NXT Proximity Reader, access/entry version
NXT-3RE (c)	Mullion Mount NXT Proximity Reader, exit/egress version
NXT-5R (c)	Wall Mount NXT Proximity Reader, access/entry version
NXT-5RE (c)	Wall Mount NXT Proximity Reader, exit/egress version
NXT-6RK (c)	Proximity Reader and Keypad
Keri Credentials	
NXT-C-50	Clamshell Proximity Card
NXT-I-50	ISO Proximity Card, Imageable for Photo ID Badge Printing (w/o mag stripe)
NXT-S-50	ISO Proximity Card, Imageable for Photo ID Badge Printing (w/mag stripe)
NXT-K-50	Proximity Key Tag
NXT-AP-20	Adhesive Proximity Patch
1326AKHD-50	HID Equivalent Clamshell Cards
1346AKHD-50	HID Equivalent Key Tag
1386AKHD-I-50	HID Equivalent PVC Imageable Cards (w/o Mag Stripe)
Generic HID credential description	
Select 125 kHz HID Formats	Typically HID credential types up to 37-bit
Farpointe credentials	
PSC-1	Clamshell-style, printable card
PSI-4	Dye sublimation imaging card
PSM-2P	ISO-style, imageable card
PSM-2S	ISO-style, imageable card with magnetic stripe
PSK-3	Key fob
PDT-1	Self-adhesive disc tag

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	NXT-3R/5R Readers Specifications
	Specifications are subject to change without notice
	a) The use of a linear power supply is always recommended
	b) Read range is stated in a clean RF and electrical environment using NXT-C credentials presented parallel to the reader surface with the reader operating at 12 VDC. Read range may be affected by local installation conditions. For the NXT-5R, read range will be reduced if mounted on metal.
	c) Readers may be ordered as "access/entry" or "exit/egress" readers. In/Out Reader operation requires the NXT controller to have the Mercury Powered option. Add an "E" suffix to the model number when ordering an "exit/egress" Reader.

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