

NXT-6RK Reader

Data Sheet



NXT-6RK Proximity Reader and Keypad

Keri's NXT-6RK is the newest member of the NXT Series Proximity Reader family. The NXT-6RK may be mounted directly to standard U. S. A. sized single-gang wall boxes, and is ideal for applications requiring an access credential and/or personal identification number (PIN), such as high security dual verification. It connects to an NXT Controller via the NXT-RM-3 Reader Interface Module to allow the Wiegand format keypad data to be read by the controller while at the same time reading standard NXT formatted cards. The NXT-6RK and NXT-RM3 are sold as a kit together (NXT-KPK) as well as individually.

Key Features

For Card+PIN applications

Mounts directly to a standard, USA junction box, either metal or plastic

Blue backlighting, provides enhanced visibility in dark locations

Tactile feedback, provides positive feedback on key activation

Beeper and LED standard

Black and off-white covers in every box

Keypad data is transmitted via the reader's data lines in either an 8-Bit Burst or 26-Bit Wiegand data format, depending upon the PIN length required by the customer. The alpha-numeric keypad itself makes use of a durable (no moving parts), non-mechanical capacitive technology. It includes advanced enhancements including blue backlighting and a continuously illuminated 5-key, both for orientation at night, tactile feedback, and a raised 'pip' on the 5-key for use by visually impaired individuals.

NXT-6RK Reader Specifications

NXT-6RK Readers	For applications requiring an access credential and/or personal identification number (PIN)
Features	Blue backlighting, provides enhanced visibility in dark locations
	Mounts directly to a standard, USA junction box, either metal or plastic, may be directly mounted to metal
	Tactile feedback, provides positive feedback on key activation
	Backlit Illuminated Keypad, Visually Impairment Friendly
	Beeper and LED standard
	Dual Verification Ready
	Black and off -white covers in every box
	NXT-RM-3 Reader Interface Module required for operation
	Hardware
Input Power (a) all types	5 to 14 VDC @ 30 mA minimum, 50 mA typical, 115 mA peak
Read Range (b) w/NXT-C	up to 6 inches (15.25 cm)
w/NXT-I/S	up to 4 inches (10.2 cm)
w/NXT-K	up to 3 inches (7.6 cm)
LED Indicator (c)	Standard tri-color (Red, Amber, Green, Off)
Keypad Formats	8-bit Burst (default), 26-bit Wiegand
Audio Tone	Standard beeper
Bezel Colors	Black and Off-White
	Cabling
Bus to Reader Only - Power	18 AWG, 2 conductor, stranded, 500 ft. (150 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

NXT-6RK Reader 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-6RK	Keypad Prox Reader (requires NXT-RM3)
NXT-RM3	Reader Interface Module - Wiegand and MS Reader compatibility
NXT-KPK	Keypad Kit (includes NXT-6RK and NXT-RM-3)
NXT-C	Clamshell NXT Proximity Card for NXT Readers
NXT-I	Thin Photo Imagable NXT Proximity Card for NXT Readers
NXT-S	Thin Photo Imagable NXT Proximity Card with magnetic stripe for NXT Readers
NXT-K	NXT Proximity Key Tag for NXT Readers
	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. Read range will be less when mounted on metal
	c) For user orientation in non-illuminated areas the 5-Key is always illuminated.
	d) The NXT-6RK Keypad Reader may be used as a keypad only device