

# NXT - 6RK

## Proximity Reader and Keypad

DATA SHEET



- 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

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.

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.

The single-piece NXT-6RK delivers non-contact read ranges up to 6 inches (152 mm), and is powered by the controller. Physical size is a compact 4.6 x 3 x 0.70 inches (117 x 77 x 18 mm). Mounting is simplified with horizontal and vertical mounting slots instead of holes which allows the reader to be conveniently adjusted and leveled. To allow both indoor and outdoor operation the electronics are sealed in tamper resistant epoxy potting. Concealing the mounting hardware, the NXT-6RK ships with both black and white covers standard to match building decor.

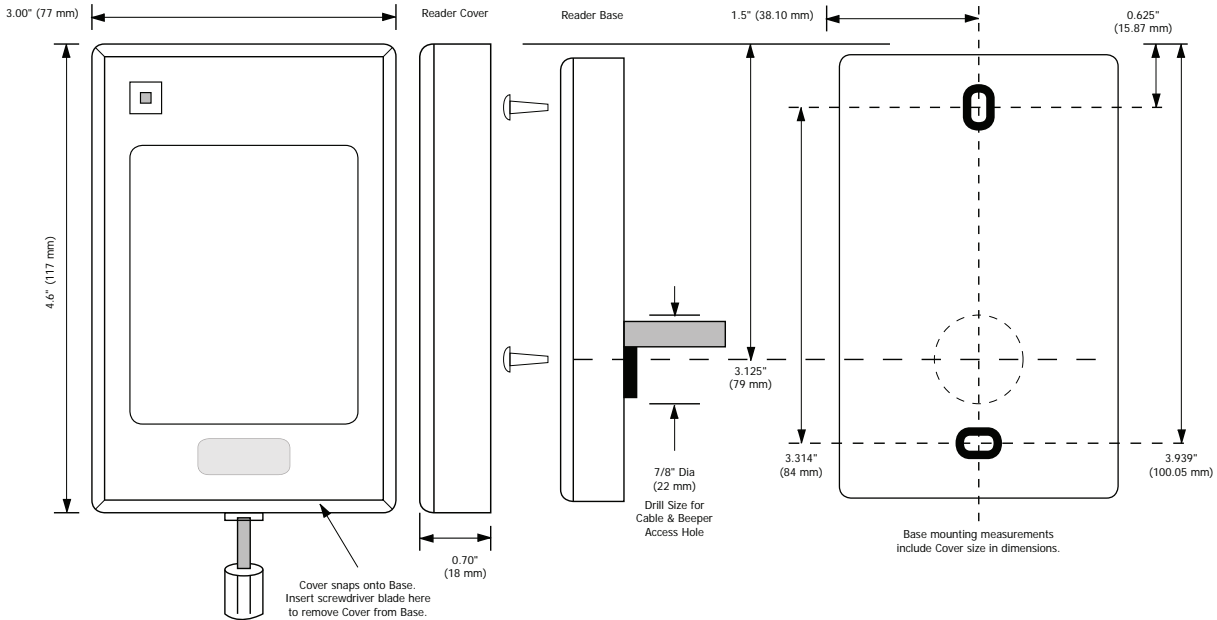


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# NXT 6RK - Proximity Reader and Keypad

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## Specifications:

- Size:**  
4.6" H x 3.0" W x 0.7" D  
(11.7 cm x 7.7 cm x 1.8 cm)
- Weight:**  
4 oz. (113 g)
- Read Range:**<sup>a</sup>  
w/ NXT-C - Up to 6 inches (15.2 cm)  
w/ NXT-I/S - Up to 4 inches (10.2 cm)  
w/ NXT-K - Up to 3 inches (7.6 cm)
- Input Power:**<sup>b</sup>  
+5 to +14 VDC  
30 mA minimum, 50 mA typical, 115 mA peak
- Operating Temperature:**  
-40° F to 149° F (-40° C to 65° C)
- Cable Routing Distance:**  
500' maximum cable distance  
(150 m)
- Keypad Formats:**<sup>c</sup>  
8-bit Burst (default), 26-bit Wiegand
- LED Indicator:**<sup>d</sup>  
Tri-Color Standard  
(Red, Green, Amber, Off)
- Audio Tone:**  
Standard
- Bezel Colors:**  
Black and Off-White
- Metal Mounting:**  
May be mounted directly to metal
- Certifications:**  
FCC, CE, C-Tick
- Warranty:**  
Limited Lifetime Warranty against defects in materials and workmanship
- ORDERING INFORMATION:**
- | Part Number | Description   |
|-------------|---|
| 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                                       |

- a) Read range is stated in a clean RF and electrical environment using NXT-C cards 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.
- b) The use of a linear power supply is always recommended.
- c) The NXT-6RK Keypad Reader may be used as a keypad only device.
- d) For user orientation in non-illuminated areas the 5-Key is always illuminated.



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