

Proximity Readers

PRX-3A: a flexible reader with a simple design

PRX-30: combine proximity with a keypad



- Emulation of magnetic stripe or bar code output for easy connection to terminals
- Reliable, attractive and compact design
- 10 cm reading distance
- Perfect for locations with limited access or where space is at a premium



Proximity Readers



opening doors is becoming easier

PRX-3A and PRX-30 were developed as perfect, easy-to-use proximity devices, to be installed at locations where Time and Attendance or Access terminals require a secure primary or secondary reader. These streamline readers, made of strong ABS plastic, can be installed just about anywhere identification is needed without having to physically swipe a card. The sealed enclosures make the PRX-3A and PRX-30 ideal for dusty and humid environments that can cause havoc with standard readers.

Install, Set-up... and you're in control

- With both PRX-3A and PRX-30, you've got extra protection against vandalism and weather: it can be installed in semi-concealed areas, such as behind a door or behind non-metal building materials.
- For the PRX-30, keyboard has been added to further increase access security. Persons desiring access to the premises must first hold their cards near the reader, then key-in their PIN.

The Reader

An indicator provides feedback once the card has been read. Output is captured by another device and handled as standard data. The readers can be connected to any terminal as a primary/secondary, magnetic/barcode reader. Data transferred from the readers is formatted in one of two jumper-selected modes: 13 or 14-digit code, so as to be read by a wide variety of terminals.

The keyboard on the PRX-30 includes 0 through 9 and a bell button. The readers provide feedback via a tri-color LED, controlled by the remote terminal. A green indication is given, as soon as the card has been brought in proximity to the reader. If the card is not in the list of cardholders, stored in the remote terminal, the indicator turns red. An orange color means the reader awaits the PIN to be entered.

Technical Specifications

- Maximum Range: 10 cm (4 inches)
- Operating Frequency: 125 kHz
- Data transmission according to:
 - Magnetic, track 2
 - Barcode 3-of-9

Man-machine Interface

- Indicators for power, card presence/rejection and keyboard entry
- RF coupling of proximity card
- Buzzer for audio confirmation of operations

General Characteristics

- PIN transferred in a unique manner
- Operates with both Synel and Linear terminals
- Power supply: 3 to 5 Vdc

Mechanical Features

- Dimensions: 13 x 4.3 x 2 cm (5.13 X 1.66 X 0.75 inches)
- Weight: 180 g
- Operating temperature: -22 to +50°C
- Relative humidity: 95%
- Bell button (PRX-30)
- 10-digit keyboard (PRX-30)

