



INNOPROX

Slimline Proximity Card Reader

Features

Rugged design

Encapsulated in a strong, impact resistant polycarbonate enclosure designed to withstand harsh environments, providing reliable performance and a high degree of vandal resistance.

Mounting

Unobtrusive design can be mounted directly onto metal such as door mullions.

Easily interfaced

The Wiegand output interfaces with most existing Wiegand protocol access control systems. Clock-and-Data (magnetic stripe) output interfaces with most systems that accept magnetic stripe readers. The integral RDREX function allows 2 readers to be connected together on one reader cable for "IN" & "OUT" operation when used with IET controllers. The card programming determines output type and format.

LED & Buzzer Functions

When a card or fob is presented to the reader, the red LED flashes green and the unit gives a short beep. The multicolor LED and beeper are also controlled by the host system. If the BUZZ function is enabled, a built-in 2 second timer allows the buzzer to be used with "Free Access Doors" - thus providing a quiet environment even when the door is permanently unlocked.

The programmable BUZZ & BLEEP options may be changed at any time by presentation of a programming card.

Diagnostics

On reader power-up, an internal self-test routine checks and verifies the setup configuration and determines the internal or external control of the LED and beeper. The RDA/DATA0, RDB/DATA1 outputs are then held low for 1 second and 0.2 second respectively for easy connection verification. Reader operation is then started.

High Security

Recognizes card formats up to 90 bits long with unique ID's. XTEA encryption keys provide over 18 billion billion differs.

Output formats

Many card types and output formats are available - details are available on request from our sales office. Outputs are diode protected.

Warranty

3 years warranty against defects in materials and workmanship.



- ▶ **STYLISH APPEARANCE**
- ▶ **ROBUST CONSTRUCTION**
- ▶ **FULLY ENCAPSULATED**
- ▶ **DEFINABLE CARD FORMATS**
- ▶ **LOW POWER CONSUMPTION**
- ▶ **INTERNAL BUZZER TIMER**
- ▶ **ECONOMICALLY PRICED**
- ▶ **ENCRYPTED - MAX SECURITY WITH COPY PREVENTION**
- ▶ **UP TO 3 INCH READ RANGE WITH ISO CARDS**

Specification

Typical read range: *

ISO card - 760mm (3.0")

Keyfob - 380mm (1.5")

*May depend on local installation conditions.

Dimensions:

104mm x 52mm x 15 mm (4.09" x 2.05" x 0.59").

Material:

High Quality Polycarbonate UL 94.

Power Supply:

8 - 18 VDC reverse polarity protected.

Maximum Current Requirements

Average 13 mA, Peak 20 mA @ 13.8 Vdc

Operating Temperature

-30° to +65° C

Operating Humidity

0-95% relative humidity noncondensing

Transmit Frequency:

125 kHz

Outputs:

Wiegand data 0 & data 1 100 uS pulses @ 1ms bit rate.

Magnetic Stripe 200uS clock width with 400uS data bits.

Type and format automatically selected by card in use.

Connection:

Via 5 core shielded data cable tail (0.5 metre).

Cable Distance

Wiegand or Clock-and-Data interface - 300 m

Recommended cable is Belden 9535 or equivalent (5 core stranded with overall shield).

Weight:

88 gm (3.1 oz).

Colour:

Charcoal

Meets:

EU and CB Scheme Electrical Safety (EN60950 and IEC60950 ITE Electrical Safety)

Fifteen EU Countries under the R&TTE Directive (EN 300 330 - SRD, and ETS 300 683 - EMC) CE Mark

PC based card and keyfob programmer available.

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