



# INNOPROX II

## 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. The 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. A link programmable RS485 option is also available. Wire connections are by miniature screw terminal block.

#### 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 sounder 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. 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.

A tamper alarm output is provided in case of vandalism.

#### 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**
- ▶ **INTEGRAL TAMPER ALARM**
- ▶ **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 19 mm (4.09" x 2.05" x 0.75").

## Material:

High Quality Polycarbonate UL 94.

## Power Supply:

7 - 25 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.

RS485 selected by wire link.

Tamper alarm (70mA max).

## Connection:

Via miniature screw terminal block.

## Cable Distance

Wiegand or Clock-and-Data interface - 300 m

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

## Weight:

68 gm (2.4 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

**A PC based card and keyfob programmer is available.**

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