Integrated Control Technology

Nano-Prox (PRX-NANO) Operational Description

This device is a 125 kHz Proximity Card Reader, designed to be used in Building Access, Security and Industrial Control applications.

The Nano-Prox will read and decode a 125 kHz proximity card when it is placed within 10cm of the device. It then outputs the information stored on the card in Wiegand data stream through 2 open collector outputs on the external wiring interface (as described below).

The user interface is a bi-colour LED and a buzzer. The state of the LED is controlled from the external wiring interface (as described below). The buzzer is also controlled from this interface, and is also activated for a short pulse when a Proximity Card is successfully read.

The Nano-Prox has a 9 core external wiring interface that allows the Nano-Prox to connect to Building Access, Security and Industrial Control systems. This interface includes wires for: power, ground, 2 Wiegand outputs, 2 LED inputs, a Buzzer input and a special function input/output control.