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## **Multi Prox (PRX-MULTI) Operational Description**

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

The Multi-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 a Wiegand data stream through 2 open collector outputs on the external wiring interface (as described below). The Multi-Prox also outputs any key pressed on the keypad using the Wiegand data stream.

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 Multi-Prox has a 9 core external wiring interface that allows the Multi-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.

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