

AX10 Proximity Reader Connections

Introduction

The AX10 is a weatherproof proximity reader suitable for connection to intruder alarm keypads: MKP3, 9943 and 9953. You can connect the reader directly to the keypad, no extra printed circuit board is needed.

Installation

To install the reader:

1. Ensure that all power (mains and battery) is removed from the control unit.
2. Undo the screws on the keypad cover and lift the front away from the back plate.
3. Connect the AX10 reader to the EXT PROX terminal on the keypad (see overleaf).
4. Close the keypad and refit the screws.
5. Re-apply power to the control unit.

Connections

Keypad	AX10	Notes
		Max Length for AX10 Cable: 5m
+V	Red	
IN	White	
OUT	Blue	
0V	Black	
-	Green	Not Connected (Insulate)
-	Yellow	Not Connected (Insulate)

LED Indication

During normal operation the LED's will switch off 20 seconds after a card / fob has been used. A feature card is available to keep the LED's on permanently.

When a user presents a card / fob the reader LED's will switch on.

Blue LED = on for 3 seconds and short pulse off. = AX10 heartbeat

Red LED = On = Reader in normal state.

Green LED = Flash on when a card or fob is presented to the reader.

On the 9953 and MKP3 you can program the keypad output to control the status of the Red/Green LED to show, for example, system set. See the relevant control unit Engineering Guide for programming information.

Firmware and Mode Indication

To identify that the reader is an AX10 proximity reader, on power up the reader's LEDs and Buzzer will indicate the firmware version and mode.

To indicate that the reader is configured for connection to the intruder panel keypad, there are 5 beeps.

After the beeps there will be a number of green flashes followed by a number of red flashes to indicate the firmware. For example: 2 green flashes and 1 red flash is firmware 2.1.

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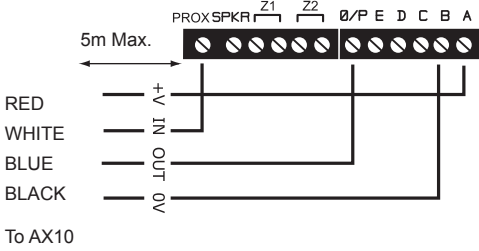
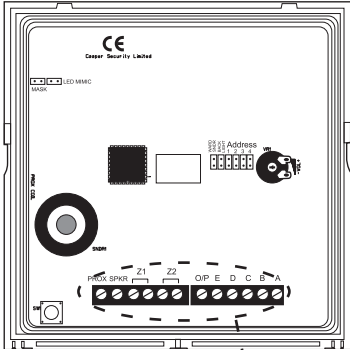
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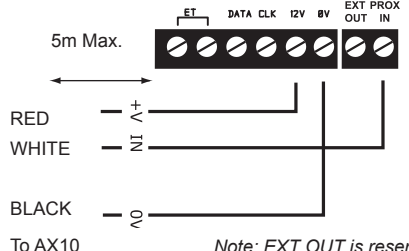
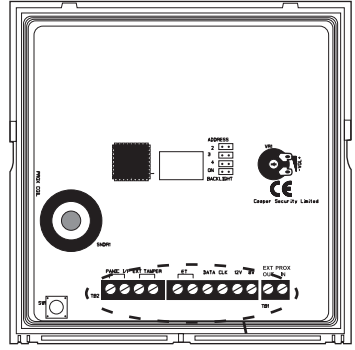
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9953 External Prox Wiring



To AX10

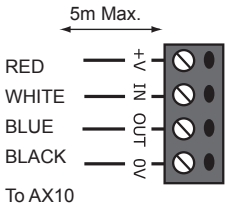
9943 External Prox Wiring



To AX10

Note: EXT OUT is reserved for future use.

MKP3 External Prox Wiring



To AX10

