PERTRONIC INDUSTRIES LTD
DATASHEET

F4-RMAX Remote LED Mimic

Overview

The Pertronic F4 Remote LED Mimic / Aux Relay Module F4-RMAX is an optional extra for the Pertronic F4 conventional 4-zone fire alarm panel. This board enables the fire alarm panel to drive a remote LED mimic display over an RS485 communication bus.

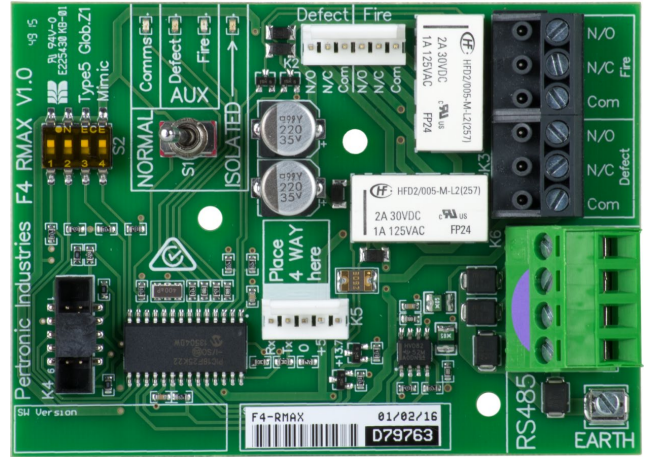Installing an F4-RMAX adds three extra features to the F4 fire alarm panel:

- Serial port for a monitored remote LED Mimic
- Additional two-pole changeover Auxiliary Fire relay
- Additional two-pole changeover Auxiliary Defect relay

The F4-RMAX is compatible with F4 fire alarm panels fitted with version 5.02 or later firmware, and version 5.05 or later F4 master boards.

The Auxiliary Fire relay is normally de-energised and operates when any circuit activates into a Brigade Calling Alarm.

The Auxiliary Defect relay is normally de-energised and operates when any fault occurs.

The F4-RMAX board may be fitted in a Pertronic F4 panel that also has an F4 Type 5 Sound Control Board, provided the panel master board is Version 5.05 or later.
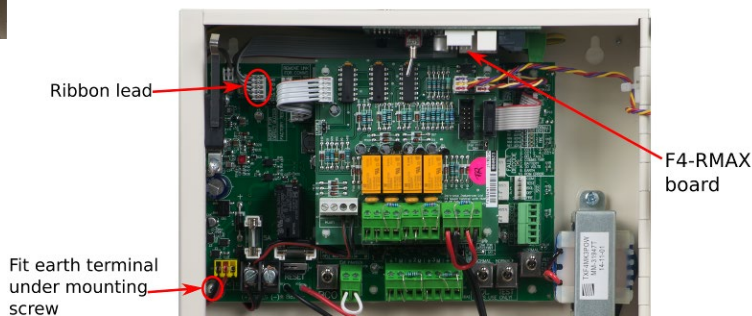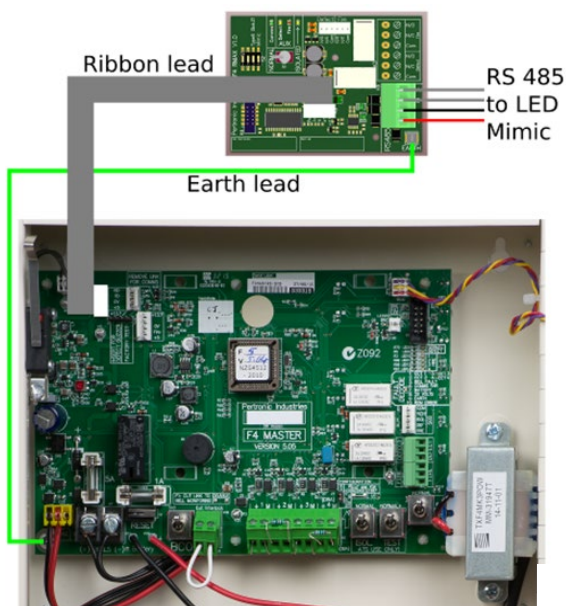

F4-RMAX Board

Features

- » Interfaces an F4 fire alarm panel to a Pertronic remote LED mimic
- » The LED mimic is monitored via the RS485 serial bus
- » Two-pole change-over (form C) Auxiliary Fire and Auxiliary Defect relays
- » Auxiliary Relay Isolate switch

Specification

Power Supply	13.7 V dc and 5 V dc
Current Consumption (Standby & Alarm)	3 mA to 5 mA, excluding current drawn by mimic
RS485 Data Rate	9.6 kB/s
Relays, Two-pole (Fire, Defect)	2 A @ 30 V dc Form C (changeover)*
Operating Temperature	- 10 °C to +55 °C
Humidity	10 % to 95 % RH, non-condensing
Dimensions	94 x 67 x 26 (H x W x D mm)
Weight	50 g

* We recommend 0.5 mm² cable if pole 1 is required to switch more than 1.5 Amps (continuous).

Connection Diagram

Ordering Information

Product Code	Description
F4-RMAX	Remote LED Mimic / Aux Relay Module for F4
F100PDB12	12 Way Smart LED Display Bd for F100, F120. F16E, F4-RMAX
F4T5SCNT	F4 Type 5 Sound Control Board with Hush