

INSTALLATION INSTRUCTIONS

Display Relay Board (Version 2 Onward)

Overview:

The **Pertronic Display Relay Board** is connected to the bus of a 12-way LED or Global LED display board. The **Display Relay Board** contains 8 non-latching relays that correspond to LED position numbers in the display. There are up to 255 for **F100A** systems and up to 512 for **F120** systems. Multiple **Display Relay Boards** may be used together.

Each relay provides change-over contacts (no-c-nc), rated 1A, 30V dc. The relay contacts are not monitored.

An active relay will remain steady, that is will not 'flash' as the LEDs do when active; the relays will remain in their current state when the LED test function is operating.

Installation:

A **Display Relay Board** may be inserted *anywhere* in the chain of LED and Relay display boards provided both board types are version 2 or greater. If a version 1 LED or Relay board is used with a version 2 board, a version 2 board must be placed at the end of the PCB chain. A Display Terminator must be plugged into the last board in the chain.

Specification:

Dimensions

PCB, 96L x 38W (mm)

Has same mounting footprint as the 8-way LED Display Board.

Power Supply

24V dc – derived from the LED Display bus

Operating current:

No activation: 2.9mA @ 27V

Add for each active relay:

9mA @ 27V

Relay Characteristics

8 relays with screw terminals for change-over contacts (no-n-c).

The relay contacts are not monitored.

Contact rating –1A, 30V dc.

Software Compatibility

The 12-way LED and LAC Display Boards must have V3.01 software or greater.

The Display Relay Board must have software V2.00 or greater.

Connection Diagram:

