PERTRONIC INDUSTRIES LTD

INSTALLATION INSTRUCTIONS

12V/24V R2H Relay Board

Overview:

The ***Pertronic R2H Relay Board (or Relay2 Board)*** *contains* two transistor-assisted relays, and it has been designed for connection to Pertronic F16, F16e, F100 and F120 Panels. An Isolate Switch is provided for when Local Isolation of the relays is required. The Switch is also protected by an Interlock Connection.

Two Inputs are available for controlling each relay. IN1 connections control the operation of Relay 1, and IN2 connections control the operation of Relay 2.

Each relay provides change-over contacts (no-c-nc), rated 5A, 30V dc, and each relay state is indicated by an on-board Green LED. The relay contacts are not monitored.

Installation:

The *R2H Relay Board* is supplied as two versions: 12V or 24V. The choice of voltage is dependent on the supply of the connected panel. Generally, 12V R2H Relay Boards are connected to 12V panels, and 24V boards are connected to 24V panels.

Connect the 12V and 0V terminals to the connected panel's fused power supply. On the 24V R2H Relay Board, the 12V terminal should be connected to a 24V supply.

Connect the IN1 and IN2 connections to the desired pull-down points on the Panel.

When Interlock protection is required, connect the Door Inter-lock output to the Panel Door Interlock Connection.

Specification:

Dimensions:	PCB, 70mm x 90mm (W x H) Mounting Holes: 45.5mm x 68.5 (W x H)
Operating Voltage:	12V and 24V models
Operating current:	No activation: <1mA Add for each active relay: 40mA
Relay Characteristics:	2-pole relay with terminals for all contacts (no-n-c). The relay contacts are not monitored Contact rating: 5A, 30V dc
Door Interlock Characteristics:	Normally Closed, Open Circuit when Isolate Switch Operated.

Connection Diagram: