



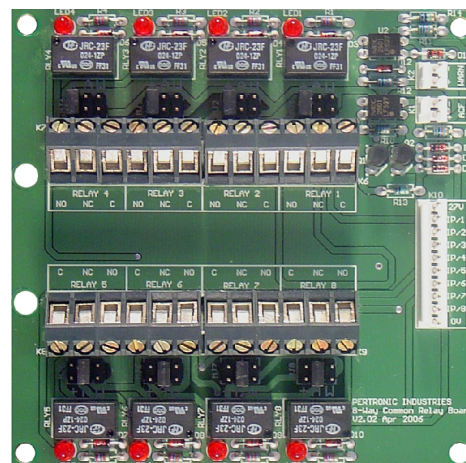
# 8-Way Common Relay Board

## Overview:

The **Pertronic 8-Way Common Relay Board (8WCOMR)** provides eight form C clean contact (unmonitored) outputs from a Pertronic fire system. The board mounts on the fire alarm panel master board. It can also be installed in a remote location, controlled by a **Pertronic Ancillary Peripheral** such as the **48-Way Open Collector O/P Board (48WOC-IF)**.

The **8-Way Common Relay Board** has 8 single-pole changeover (form C) relays. Each relay is energised by pulling down the appropriate open-collector input on the ten-way IDC input connector (K10). K10 is compatible with open-collector outputs on Pertronic products such as the **F16e, F100A, & F120A** fire alarm panels, and the **48-Way Open Collector O/P Board**.

Each individual relay may be configured in any one of three operating modes. In **+** mode, the relay will energise whenever the corresponding input is pulled low. In **A** mode, the relay will energise only if 24 Volt (nominal) dc power is applied to the **ACF** input (K1), while the corresponding input is pulled low. Similarly in **W** mode, the relay operates only if power is applied to the **Warn** input (K2). If these inputs are connected to the fire alarm panel's **ACF** and **WRN SYS** outputs, individual relays may be isolated or disabled when the panel goes into **ACF Isolate (A mode)** or **Warning Isolate (W mode)**.



8-Way Common Relay Board

## Features:

- » Eight clean contact relay outputs from eight open-collector inputs
- » Mounts directly on fire alarm panel master board for Pertronic F16e, F100A, & F120A
- » Three link-configurable modes for each relay
- » Two independent opto-isolated enable/disable inputs: **ACF & Warn**
- » Red LED for each relay – lights up when relay energised
- » Cable tie holes in PCB for retaining the wiring loom

## Specifications:

» Outputs		1 Amp @ 30 VDC (resistive load)
» Wire Size	Outputs	0.14 mm <sup>2</sup> to 1.5 mm <sup>2</sup> (flexible stranded)
» Dimensions		93 x 92 x 23 W x H x D mm
» Supply Voltage		18 VDC to 30 VDC
» Current Consumption	Standby	1.2 mA @ 27.4 VDC
	Operating	8.5 mA @ 27.4 VDC per energised relay
» Operating Temperature		0°C to 49°C
» Humidity		10% to 90% RH, non-condensing

## Ordering Information:

Product Code	Description
8WCOMR	8-Way Common Relay Board