PERTRONIC INDUSTRIES LTD

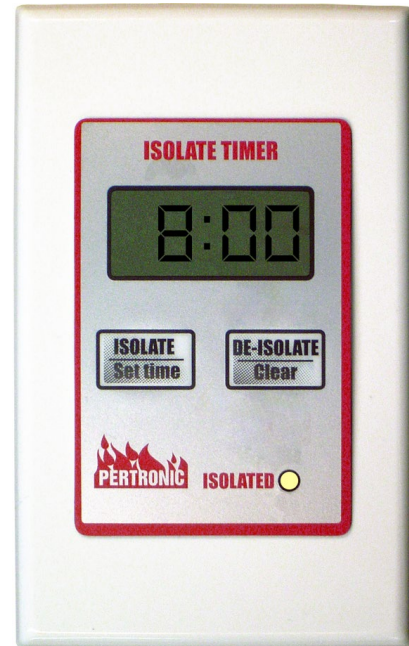**DATASHEET**

Isolate Timer Module (ITM)

Overview

The Pertronic Isolate Timer Module (ITM) allows a zone to be isolated for a user-programmed period, after which the zone is automatically re-enabled.

The isolate timer is designed to prevent unwanted alarms during maintenance or other activities that may trigger an alarm activation.

The isolate timer modules are available:

» ITM: Maximum isolate period, 8 hours

» ITM-3HR: Maximum isolate period, 3 hours

The ITM is also available with 4 hours or 18 hours maximum isolate period (please contact Pertronic technical support for details).

Pertronic Isolate Timer Module

Features

» Allows a zone to be isolated for a programmable period of time

» Provides visual indication that the zone has been isolated by the panel

» Displays the current status of the zone, i.e. Normal, Isolate, Alarm

» Provides visual and audible warning that the isolated countdown period is about to expire

» May be mounted in standard single-gang flush or surface-mount electrical fittings

» Supplied with a protective plastic cover for use during building construction

» Analogue addressable mode: Connects to Pertronic F220, F120A or F100A analogue addressable loop

» Stand-Alone mode: Connects to conventional fire panels or aspirating detectors (ASDs)

» Isolate button increments the countdown isolation period in 12 steps of 2 min, 5 min, 30 min and 1 hour steps up to 8 hours (for ITM)

» De-Isolate button clears the countdown timer and de-isolates the zone

» The user may increase the isolate time to prevent a false activation while the device is in 'Alarm'

» Provides 2 x sets of clean-contact change-over relays for connection and control of other equipment. Both outputs are active during the isolate condition

» For security, an 'external access lock' input allows device operation to be disabled by an external key-switch

» Once installed, all controls and indicators are accessible by simply removing the front switch cover, eliminating the need to detach the ITM from the wall or ceiling for servicing

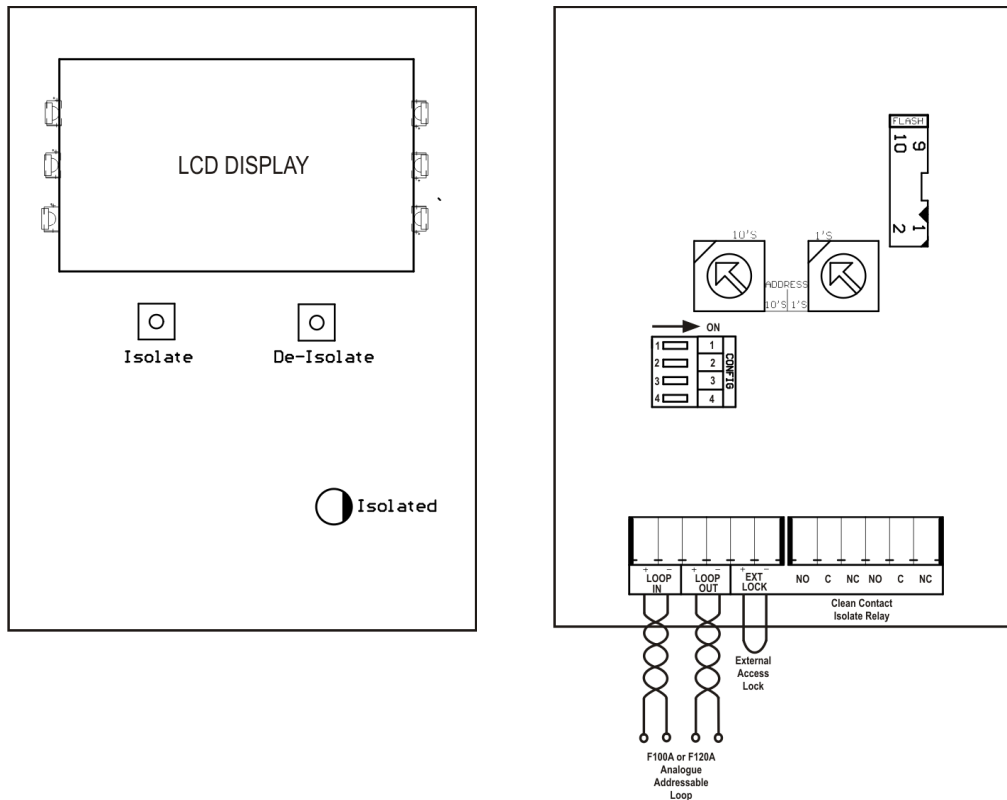» Each unloaded ITM draws 15 mA in the quiescent state – this allows for a maximum of ten (10) ITM's per loop

Compatible with Pertronic analogue addressable fire panels with the following firmware:

Panel	F100A	v4.56 or greater
	F120A	v4.02N or greater
	F220	All
Loop Driver		v2.12 or greater

Specification

Operating Voltage		15 to 32 Vdc
Current	Quiescent	15 mA @ 24 Vdc
	Alarm	20 mA @ 24 Vdc
Operating Temperature		0 to +40 °C
Operating Humidity		10 to 95 % RH (non-condensing)
Semi -Flush Mount Dimensions		117 x 74 x 12 (H x W x D mm)
Weight		150 g
Material		ABS Plastic
Colour		White
Loop Input/Output		Connects to and is powered by the panel analogue loop
Clean Contact Relay		2 x change-over contacts rated 2 A @ 30 Vdc or 0.5 A @ 100 Vrms (resistive)
External Access Lock	Short Circuit	Active
	Open Circuit	Secure
Signalling Line (Loop) Addresses		2 per module

PCB and Wiring Diagram

Ordering Information

Product Code	Description
ITM	Isolate Timer Module
ITM-3HR	Isolate Timer Module, Max 3 Hour Isolation