PERTRONIC INDUSTRIES LTD

DATASHEET

Isolate Timer Module (ITM)

PERTRONIC

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 changeover 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 keyswitch
- » 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

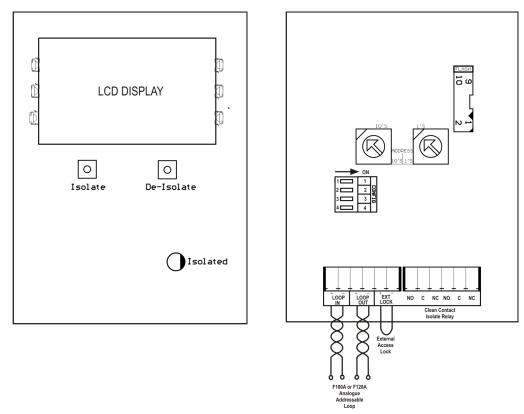
Compatible with Pertronic analogue addressable fire panels with the following firmware:

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	

The information in this document must not be treated as partial or complete instructions for the design, construction, installation, commissioning, or maintenance of fire detection, fire alarm, or building evacuation systems. Fire and evacuation systems must be designed and installed by properly qualified persons, in accordance with all regulatory requirements.

Unless explicitly stated otherwise, this document provides typical specifications and nominal dimensions. Actual product performance and dimensions may vary.

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