

# Isolate Timer Module (ITM)

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ISO 9001: 2000

International  
Standards  
Certifications  
QAC/R61/0051

## Product Overview:

The Pertronic Isolate Timer Module (ITM) provides a Countdown Timer for isolating a zone for a pre-determined period.

It may be used to isolate devices in a particular zone, when work that is being performed may cause an alarm activation.

## The Pertronic Isolate Timer Module (ITM)

- ▶ Allows a zone to be isolated at the push of a button.
- ▶ Provides the ability to isolate a zone 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 and is supplied with a protective plastic cover for installation during building construction.
- ▶ Analogue Mode: Connects to Pertronic F100A or F120A analogue addressable loop.
- ▶ Stand alone mode: Connects to Conventional fire panels or Vesda Aspirated Fire detection equipment



## Features:

- ▶ Two buttons provide simple operation of the ITM.
- ▶ 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. At the end of the time period the unit sends a reset / de-Isolate command to the Panel.
- ▶ De-Isolate Button: clears the countdown timer and De-isolates the zone.
- ▶ An Isolate LED provides 'real time' indication that the zone has been isolated by the panel.
- ▶ If the isolated device enters the 'Alarm' state, the 'LCD displays an 'A' for Alarm.
- ▶ The LCD Display provides the real-time status of the Timer. If a device is in 'Alarm' and the countdown time is about to expire, the user may increase the isolate time to prevent a false activation.
- ▶ 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.
- ▶ Audible indication that the timer is about to expire activates 5 minutes before the timeout period. This can be silenced by either extending or clearing the countdown time.
- ▶ For security, an 'External Access Lock' input allows device operation to be disabled by an external key-switch.
- ▶ Uses two analogue addresses and is easily configured using Pertronic configuration software.
- ▶ Each unloaded ITM draws 10mA in the quiescent state – this allows for a maximum of ten (10) ITM's per loop.
- ▶ Integrated within a Series 500 PDL flush plate, allowing easy mounting. A range of switch covers may be used to suit any décor.
- ▶ 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.

## Note:

To ensure compliance with NZS4512:2010 clause 409, the following must be observed:  
The ITM module must be used with a security key switch to prevent unauthorised use. If owner use is permitted the zone controlled by the ITM must contain only smoke detectors. See ITM Technical Manual for F100A & F120A programming procedures.

<b>Specification:</b>				
<b>Electrical:</b>	<b>Operating Voltage</b> 15 to 32Vdc	<b>Quiescent Current</b> 10mA at 24Vdc	<b>Alarm Current</b> 20mA at 24Vdc	
<b>Environmental:</b>	<b>Operating Temperature Range</b> 0 to +40 °C		<b>Humidity</b> 10 to 95% RH (non-condensing)	
<b>Mechanical:</b>	<b>Dimensions (H x W x D mm)</b> 117 x 74 x 12	<b>Weight</b> 150g	<b>Material</b> ABS Plastic	<b>Colour</b> White
-Semi-Flush Mount				

**Loop Input/Output:** Connects to and is powered by the Analogue Loop.  
**Clean Contact Relay:** 2 x Change-over contacts rated 2A @ 24Vdc or 0.5A @ 100Vrms.  
**External Access Lock:** Short-circuit: Active      Open-circuit: Secure

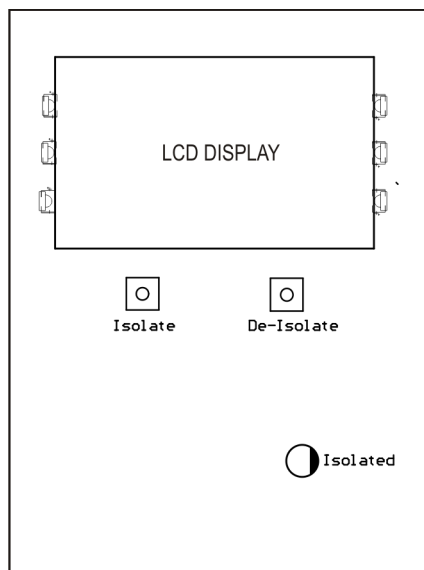
### Compatibility:

Compatible with Pertronic Analogue Fire Control Panels with the following firmware:

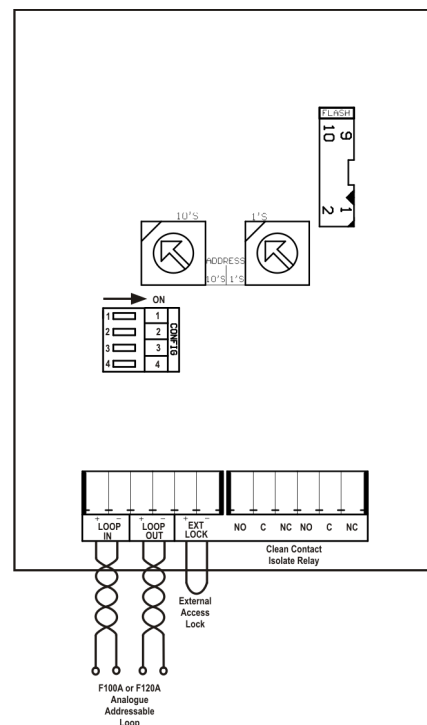
Panel:	F100A	v4.56 or greater
	F120A	v4.02N or greater
Loop Driver:	F120 (old) Loop Driver	v1.38 or greater
	F120 Loop Driver II	v2.12 or greater
Utilities:	F100 Config Utility	v3.18.01 or greater
	F120 Config utility	v2.28 or greater

### PCB and Wiring Diagram:

Front View



Rear View



### Product Codes:

Code	Description
ITM	Analogue Addressable Isolate Timer Module

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