

Isolate Timer Module (ITM)

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ISO 9001: 2008

International Standards
Certifications
QAC/R64/0012

Product Overview:

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

The ITM 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 15mA 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** and **F120A** programming procedures.

Specifications:

| | | | | |
|---|--|---|--|-------------------------|
| Electrical: | Operating Voltage 15 to 32Vdc | Quiescent Current 15mA @24Vdc | Alarm Current 20mA @ 24Vdc | |
| Environmental: | Operating Temperature Range 0 to +40°C | | Humidity 10 to 95% RH (non-condensing) | |
| Mechanical: - - Semi-Flush Mount | Dimensions (Diameter x Height mm) 117 x 74 x 12 | Weight 150gms | Material : ABS Plastic | Colour: White |

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

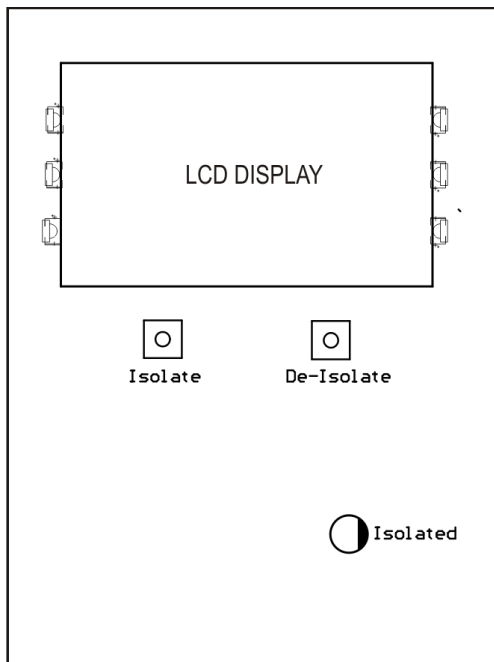
Compatibility:

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

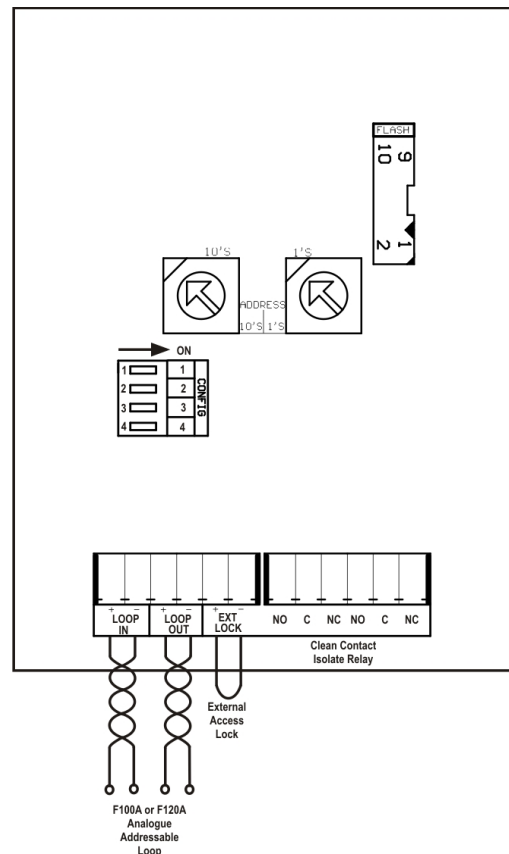
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|--------------|---|---|
| Panel: | F100A F120A | v4.56 or greater v4.02N or greater |
| Loop Driver: | F120 (old) Loop Driver F120 Loop Driver II | v1.38 or greater v2.12 or greater |
| Utilities: | F100 Config Utility F120 Config utility | v3.18.01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

PCB and Wiring Diagram:

Front View



Rear View



Product Codes:

| NZS Code | Description | NZFPA Listing No |
|----------|---|------------------|
| ITM | Analogue Addressable Isolate Timer Module | |

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