



You in Control

MR-ITM SERIES RELAY

Inspection, Test and Maintenance Module

PRODUCT DESCRIPTION

The MR-ITM (Inspection, Test and Maintenance) Series Relay unit from Air Products and Controls provides a convenient, affordable, reliable and fail-safe code compliant method to successfully accomplish end-to-end life safety system testing required by the National Fire Protection Association (NFPA). This microprocessor relay based conventional unit is another practical application of patented Maintenance Mode Technology for both technicians and end users.

This unit is usable on all system output circuits such as notification appliance circuits (NACs), fire safety function circuits, emergency control interface circuits, and ancillary function circuits, as well as many others. Whether it emanate from conventional or intelligent systems, the MR-ITM can begin from the event initiation point or the output notification / action without causing business interruption for the end user. The MR-ITM will eliminate risky and costly use of circuit by-passing / cutoffs and non-verifiable system "proofing" assumptions.

The MR-ITM addresses the underlying life safety system mistakes often caused today by the inadequacies from non-testing and/or improper testing. These operations no longer need to be balanced against ease, accessibility and the need to compromise the inhabitant business interruptions.



FEATURES

- ❖ The MR-ITM series relay provides the ability to test NAC / Function Control Circuit wiring and the associated device(s) without starting or stopping equipment during testing and/or maintenance (i.e. testing without business disruption).
- ❖ Selection switch, allows for the length of a test to be determined between 1, 4, or 8 hours.
- ❖ When in Maintenance Mode, the circuit will open between NAC / "FCC +" and the EOL to provide a trouble at the fire alarm control panel.
- ❖ LCD screen, displaying the counted NAC / function control circuit outputs (system activate requests) without switching the dry contacts.
- ❖ Allows for quick, easy and non-disruptive matching of system input (initiation) actions to the MR-ITM's device(s) for correlated test and maintenance documentation.
- ❖ The MR-ITM can be switch off manually once testing and maintenance operations are completed.
- ❖ The MR-ITM device will restore the system to normal operation if it goes into time out
- ❖ Battery powered Maintenance Mode function, eliminates the need for running additional power wires or added current draw on the NAC / Control circuit.



CSFM LISTED

**UUKL
Smoke Control**

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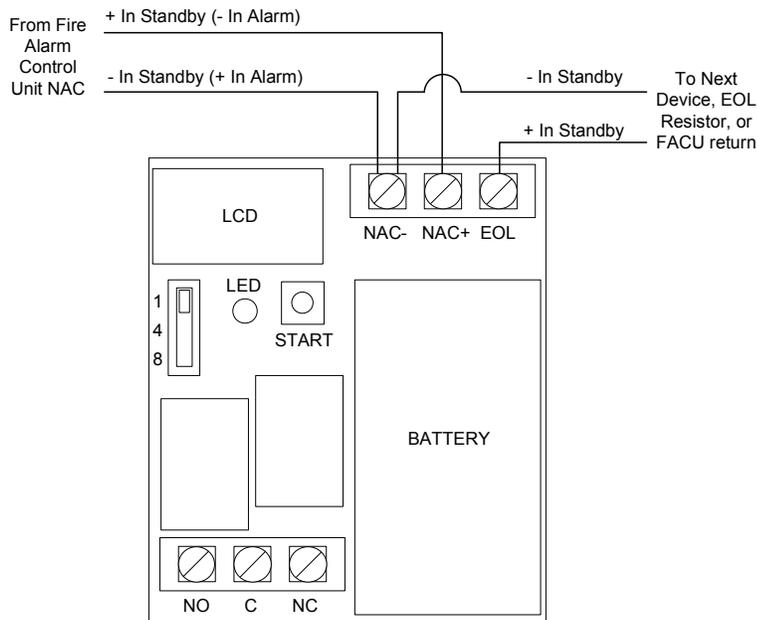


PRODUCT SPECIFICATIONS

POWER REQUIREMENTS:	UL Listed Regulated 24VDC NAC / Function Control Circuit @ 50mA
POLARIZED COIL INPUT(S):	Yes
ENERGIZED INDICATOR:	One red LED
CONTACT RATINGS:	Resistive load 7A @ 30VDC, 10A @ 125VAC, 7A @ 250VAC Inductive load .35 Power Factor
CONTACT CONSTRUCTION:	Dry form "C" SPDT
AMBIENT TEMPERATURE:	32°F to 120°F (0°C to 49°C) @ 93% RH, non- Condensing/ Freezing
WIRING: Solid or stranded:	#14 to #22 AWG SEM captive terminals
"/C" VERSIONS:	Back-box is 18ga CRS, plated with 1/2" conduit knockouts top and bottom Cover Material is Plastic ABS 94V-0 ("/C" Grey, "/C/R" Red)
"/T" VERSIONS:	3.5" wide, low profile snap track provided with mounting screws
APPROVALS:	"T" versions: UL, UUKL Recognized Component (UL864, UOXX2,) "C" versions: UL Listed, UUKL (UL864, UOXX) "C/R" versions: UL Listed, UUKL (UL864, UOXX)

WIRING

NOTE: Maintain 1/4" spacing between power limited and non-power limited wiring.



SPDT CONTACT
RESISTIVE: 7A @ 30VDC,
10A @ 125VAC, 7A @ 250VAC
INDUCTIVE: .35 Power Factor

RELAY OUTPUTS UL LISTED FOR
"COMMON" USE

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