

i-F - Frozen Contactor Relay

Overview:

M-Tronix is your source for highly innovative electronic control, protection, and monitoring systems for mining and general industry. M-Tronix is your exclusive distributor of the **Bramco** product range.

Application:

The i-F is designed to detect a leakage of voltage across a switching device of 24volts or more when the switching device is supposedly in the open or tripped position. A barrier is used in conjunction with this relay. The barrier is a three-phase unit used to isolate high voltages from the detection equipment. As the barrier is a three-phase unit leakage on any or all of the phases being monitored will be detected and cause a trip.

The detection circuit is non fail safe and energises on detection of leakage.

The unit is internally powered from the power supply card.

Features:

- Internal Power Supply
- Timer delay function adjustable to 4 – 20sec and 10 – 60sec (depending on model)
- seconds for situations where the system is directly switching motors
- Detection circuit is non-fail safe and energises on detection of leakage
- Factory set to detect a leakage of 24 volts or more.
- LED indication of power on
- LED warning when the Frozen Contactor/Loss of Vacuum Fault rises
- Usage in conjunction with a precision Isolation Barrier suitable for systems up to 1100v.

Specifications:

Supply:

- 110vAC 50/60Hz standard
- 240vAC 50/60Hz optional
- 24vAC or DC 50/60Hz optional
- 48vDC 50/60Hz optional

Operational for 25 seconds on removal of module supply.

Power: 3VA +/-20%
Operating Temp: 0 – 60° C

Leakage: Factory set to detect 24 volts or more

Relay Contacts:

- 2 x Changeover contacts
- 5A - 240V AC

Enclosure:

Dimensions: 75mmW x 55mmH x 110mmD

Material:

- High impact resistant polycarbonate construction
- IP20 Rating

Mounting: DIN rail

Terminals: Cage screw terminals

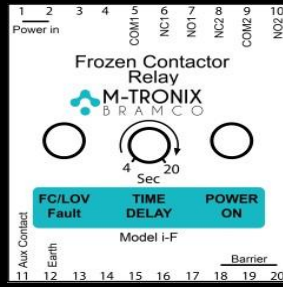
Weight: 216gms

This product is designed and manufactured in accordance with ISO9001:2000 requirements.

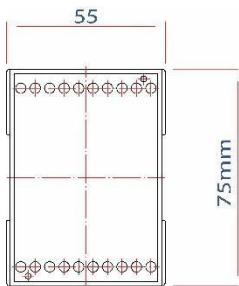
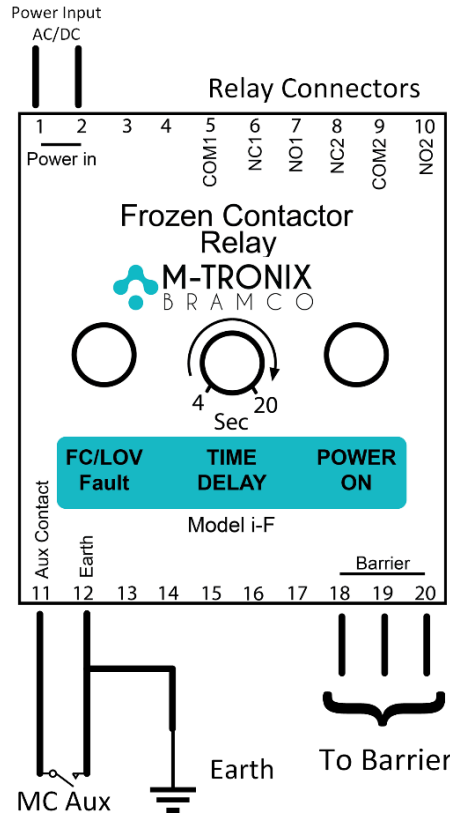
Ordering Information:

A00210: i- F Relay 110vAC/240vAC

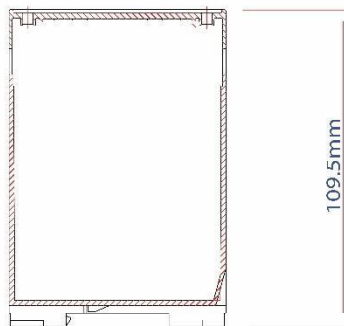
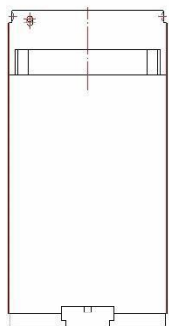
A01241: i-F Relay 24-48vAC/DC



i-F Wiring Diagram



Enclosure
Dimensions: 55mmW x 75mmH x 110mmD



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Compliance:
AS/NZS 2081:2011
The i-F comes with a 2-year warranty.