



EARTH CONTINUITY RELAY

Overview:

The IC1 has been designed to provide Earth Continuity monitoring of a supply cable by grounding the load end of the pilot core via a diode to earth. Local/Remote start operation is selectable.

Features:

- Operational 45 ohms max.
- Excellent tolerance to pilot cable capacitance and inductance allowing longer cable runs.
- Pilot to Earth termination using 1A diode and/or operates transparently with a M-TRONIX Smart Pilot Node.
- IC1 Relay is closed when pilot circuit is healthy.
- Local/Remote Start pilot operation switch selectable. Remote Start/Stop using a 100R start resistor.
- Status LEDs for -
 - Power
 - Pilot Open
 - Pilot Closed
 - Pilot Short
 - Ready
- 2 sets C/O contacts are provided.

Ordering Information:

MT01047 – iC1 Relay - 110VAC

MT01048 – iC1 Relay - 24-48VAC/DC

MT01049 – iC1 Relay - 240VAC

Specifications:

Supply:	MODEL	MIN	TYP	MAX	UNIT
	MT01047	90	110	120	V AC
	MT01048	20	24	50	V AC/DC
	MT01049	200	240	250	V AC

Power: 3VA +/-20%

Operating Temp: 0 – 60° C

Pilot to Earth Resistance:

EC Mode: 45 ohms (max)

Remote Start Mode: 145 ohms (max)

Start Resistance: 100 ohms

Shunt Resistance for Trip: Less than 1Kohms

Trip Delay: 500mS

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

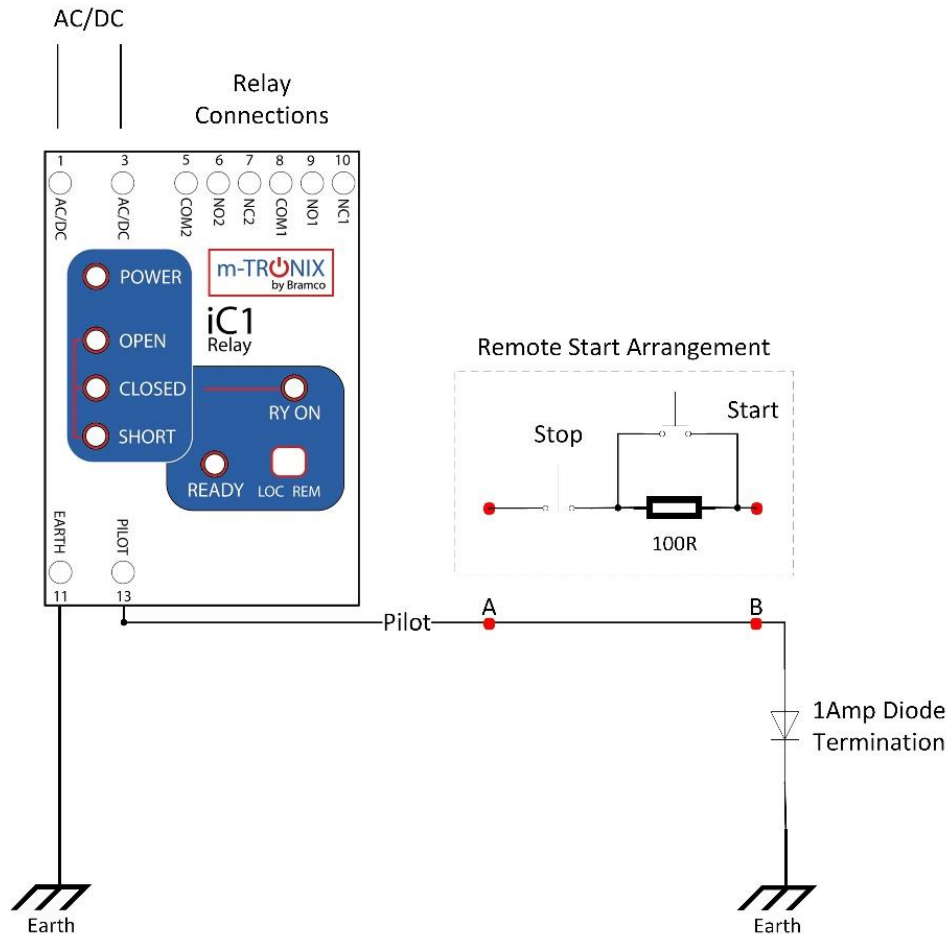
Terminals: Cage screw terminals

Weight: 216gms

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

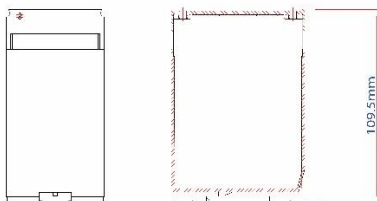
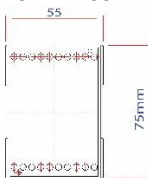


Wiring Diagram



Enclosure Dimensions

75mm x 55mm x 109.5mm



M-TRONIX Contacts

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Compliance:

AS/NZS 2081:2011
The iC1 comes with
a 2-year warranty.