



## EARTH CONTINUITY RELAY 'IC1'

### Features:

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.

### Earth Continuity Features:

- Operational 45 ohms max.
- Excellent tolerance to pilot cable capacitance and inductance allowing longer cable runs.
- Pilot to Earth termination using 1A diode.
- 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 -
  - RY On
  - Power
  - Pilot Open
  - Pilot Closed
  - Pilot Short
  - Ready
- 2 sets C/O contacts are provided.

### Specifications:

Power Input: 110/240V AC 2VA  
optional: 240V AC  
optional: 24 - 48V AC/DC - 50VAC Max

Pilot to Earth Resistance :

EC Mode: 45 ohms maximum

Remote Start Mode: 145 ohms max

Start Resistance: 100 ohms

### Specifications cont.

**Shunt Resistance for Trip:** Less than 1K ohms

**Trip Delay:** 500mS

### Relay Contacts

2 x Changeover

5A - 240V AC

**Operating Temp:** 0 - 60 Deg Celcius

### Enclosure:

Dimensions: 55W x 75H x 110D

Material: Himpact resistant polycarbonate construction.

Mounting: Din Rail and screw mounting.

Terminals: Cage screw terminals.

Weight: 200gm.

### Ordering:

A01047 - 110V AC

A01049 - 240V AC

A01048 - 24 - 48V AC or DC

This product is designed and manufactured by an ISO9001:2000 certified company.

### Bramco Contacts

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