

ic3 Earth Continuity Relay

Leaders in Innovative Protection Systems, Bramco's ic3 is compliant to latest statutory and industry standards. The ic3 provides next generation Earth Continuity monitoring, of supply cables.

Application:

The Bramco ic3 Earth Continuity Relay is designed to actively monitor the Resistance of the Pilot Earth circuit in a supply cable by diode termination.

The ic3 utilizes microprocessor technology to provide a greater level of stability over longer pilot cables by using digital filtering techniques. The microprocessor also performs continual self diagnostics to prevent false tripping or failure to operate.

The ic3 has a user selectable trip resistance adjustable between 5 and 45 ohms as well as user selectable trip time from 100-500ms for electrically noisy cable reels and VSD applications.

Features:

- Operational trip resistance selectable from 5-45 ohms.
- Excellent tolerance to pilot capacitance and inductance allowing for longer cable runs.
- Local or Remote start operation. Remote Start/Stop using a 100R resistor.
- Failsafe Operation.

Ordering Information:

A01366 Earth Continuity Relay - 110VAC
A01367 Earth Continuity Relay - 24-48VAC/DC

Compliance:

Designed to Comply to AS2081 - 2002:

- Electrical Equipment for Coal and Shale Mines - Electrical Protection Devices.

The ic3 comes with a minimum 2 year warranty.

Specifications:

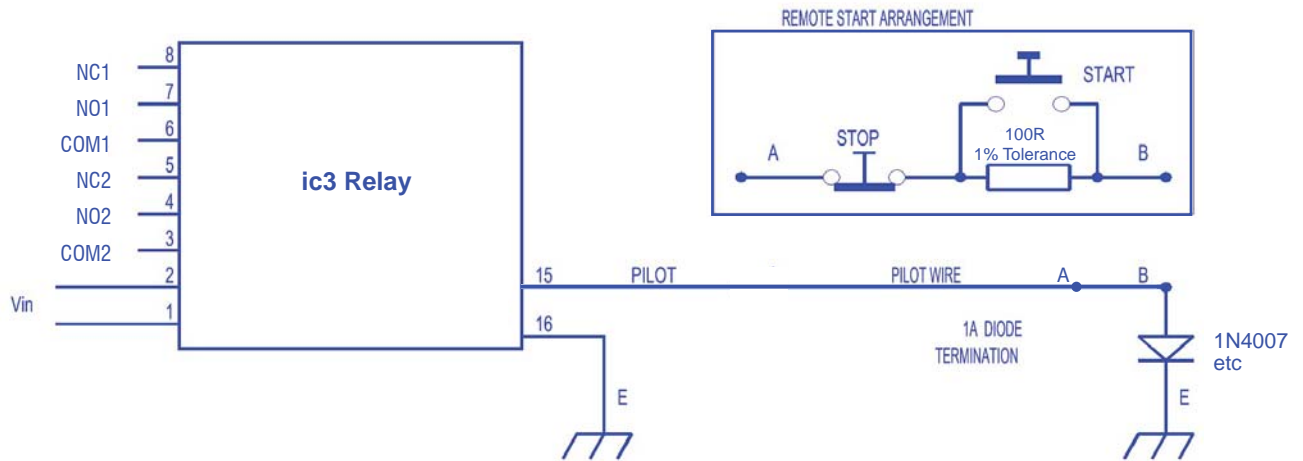
Supply Voltage Options:

- 24V AC/DC
- 110VAC

Consumption	3.5VA
Voltage Tolerance	-30% to +20%
Pilot to Earth Resistance Local Mode:	Trip above pre-set value.
Remote Mode:	Trip above 100ohms start resistor + pre-set value.
Shunt resistance before trip:	1Kohm
Trip Delay:	Selectable 100-500ms
Temperature Range:	-0°C to +60°C
Humidity	Non Condensing
Enclosure Dimensions:	55W x 75H x 110D.
Material:	High Impact resistant polycarbonate.
Mounting:	Din Rail & 2 screw mounting.
Terminals:	Cage Screw Terminals.
Weight:	150g.



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Note: 100 ohm start resistor must be at least 1% tolerance or better.

Bramco Contacts:

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Outline and Mounting Hole Dimensions:

