



# Pilot Control IS Relay Model i-D

## Application

The Bramco i-D has been designed to monitor the continuity of the Earth Circuit in a supply cable by grounding the pilot core via a diode, polarised positive to earth, and to allow remote start/stop operation by momentarily shorting a 100 Ohm resistor in the pilot circuit (which closes the relay) and opening the pilot with a stop button to open the relay.

## The i-D Offers:

- Remote start/stop via pilot wire
- Detection of pilot wire shorted to earth
- LED indication of power on
- LED healthy indication when earth continuity of pilot is below 45 Ohms
- Higher (non-approved) maximum resistance range available to special order

## Specifications

### Supply

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

### Voltage Tolerances

- -30% to +20%

### Operational

- from 0 to 145 Ohms, 100 Ohms start resistance drop

### Pilot Wire

- Diode termination to earth at remote end of cable and 100 Ohm for start/stop circuit

### Relay Contacts

- 2 pole changeover 5A-240v intrinsic safety rating - 100vA

### Base Mounting

- DIN rail or screw down

### Materials

- High impact poly carbonate

## Bramco Contacts

### Head Office

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### Distributor Locations

#### Australia:

- Newcastle NSW
- Cairns QLD
- Emerald QLD
- Cumberland Park, SA
- Wollongong NSW
- Brisbane QLD
- Perth WA

#### South Africa:

- Heidelberg - Emis Sales
- Delmas - Bramco South Africa

#### USA:

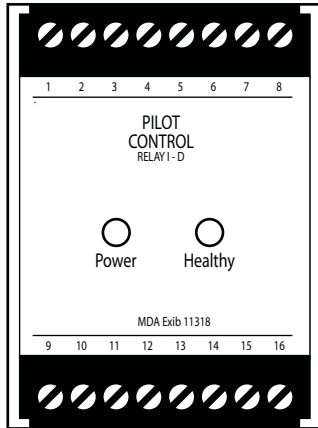
- Bland, VA

#### Brazil:

- Belo Horizonte



### Typical Installation



### Ordering Information

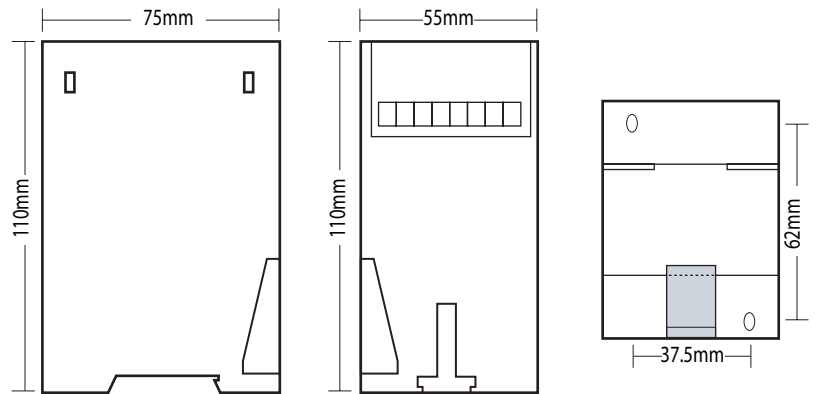
#### Order Codes:

A00251	110vAC
A00938	240vAC
A00253	24vAC/DC

### Approvals/ Conformance's

N.S.W Mines MDA EXib 11318  
 QLD Mines QMD 947347X  
 AS 2081:2-1988 Compliant

### Outline and Mounting Hole Dimensions



### Connection Details

