



## Earth Leakage Earth Continuity ELEC Relay

### Application

The Bramco ELEC Relay provides detection of Earth Fault Currents flowing in a power system and monitoring of the Earth Circuit in a supply cable by grounding the pilot core via a diode, polarised positive to earth.

### Earth Leakage Offers:

- Easily configured latch or non-latch and Fail-safe or Non Fail-safe operation
- Easily adjustable trip time and current settings
- LED indication:
  - EL Warning - indicates the current exceeds the trip threshold
  - EL Trip
  - EL Latched - indicates the EL relay is latched
- External latch reset
- 2x Separate voltage free EL contacts
- May be used on limited/unlimited systems

### Earth Continuity Offers:

- Easily configured latch or non latch and fixed Fail-safe operation
- LED indication
  - EC healthy
  - EC latch - indicates the EC relay is latched
- External latch reset
- 2x Separate voltage free EC

### Additional Features:

- Diode termination to earth on pilot wire
- Operational 0-45 Ohms
- Remote mode for start and stop control via pilot wire

### LED indication:

- Power – power healthy indication
- OC toroid – toroid connections open circuit
- Pilot open – pilot resistance above 45 Ohms
- Pilot short – pilot isolation resistance below 500 Ohms
- 4-20mA current loop into max 400 Ohms

### Specifications:

#### Power Input

- 110vAC 50/60Hz
- Optional 240vAC 50/60Hz
- Optional 24-48vDC

#### Earth Leakage

- Current - 30 - 100mA or 50 - 500mA
- Trip Delay Time - 30 -100ms or 50 - 500ms

#### Earth Continuity

- Pilot Resistance - 0-45 Ohms
- Trip Delay - 100mS

#### Relay Contacts

- 1 x C/O
- 1 x N/O
- 5Amp 250vAC

#### Operating Temperature

- 0-40°C

#### Dimensions

- 150mmW x 75mmH x 110mmD

#### Material

- High impact resistant polycarbonate

#### Mounting

- DINrail or screw mounting

### Bramco Contacts

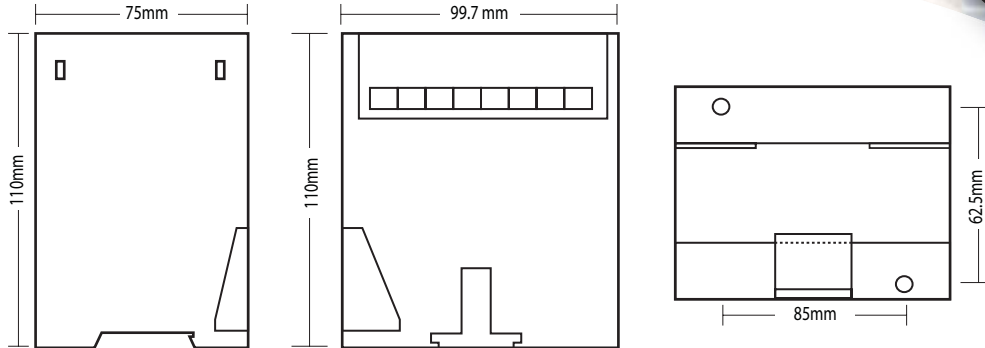
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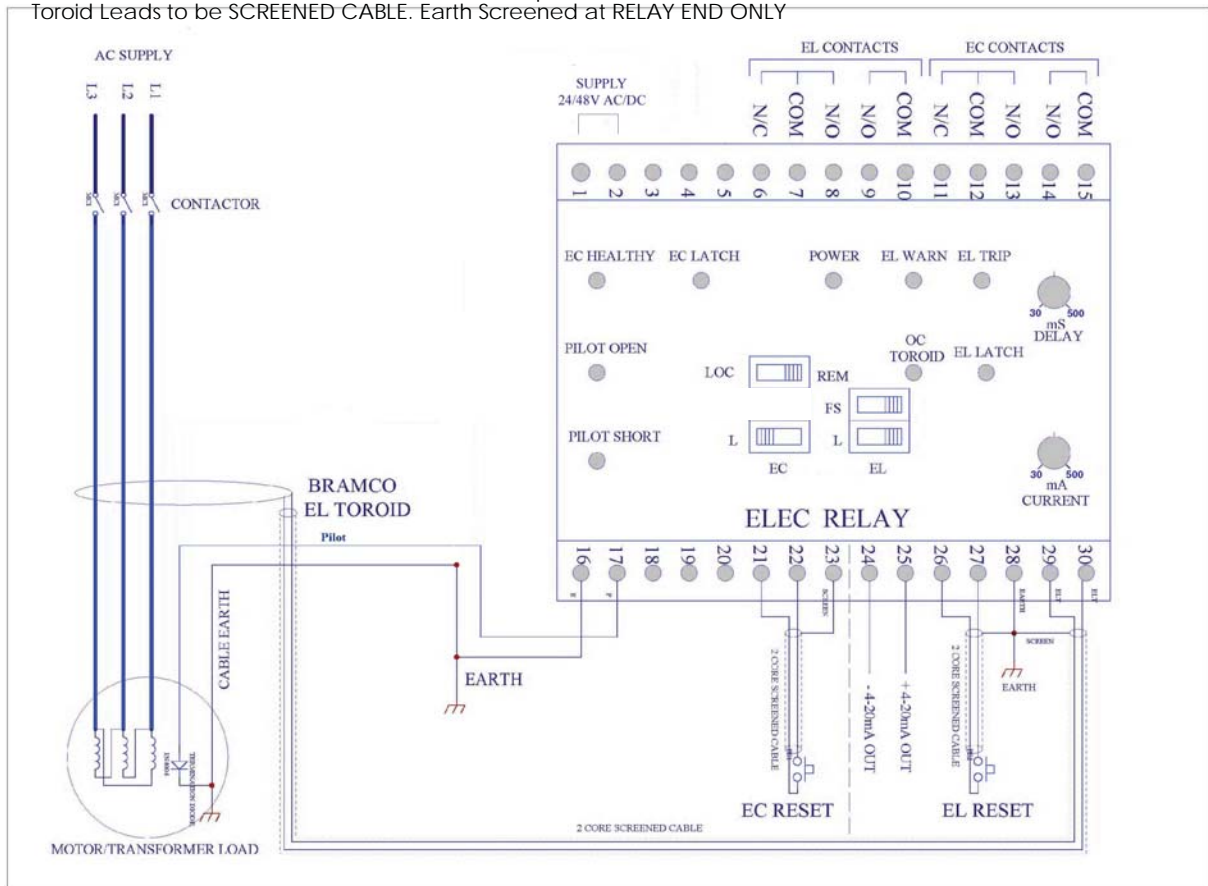


### Outline and Mounting Hole Dimensions



### Connection Details

Recommended Diode Termination IN4004 - 1 amp 400v  
 Toroid Leads to be SCREENED CABLE. Earth Screened at RELAY END ONLY



### Ordering Information

#### Order Codes

- A00622B 500mA-500mS 110vAC/240vAC
- A00630B 500mA-500mS 24-48vAC/DC
- A00855B 100mA-100mS 110vAC
- A00878B 100mA-100mS 240vAC
- A00856B 100mA-100mS 24-48vAC/DC
- A01016B 500mA-500mS 240VAC

BRAMCO ELECTRONICS Product Sheet

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