

# BROYCE CONTROL

Passionate about protection and control

## EARTH LEAKAGE & EARTH FAULT RELAYS

PANEL MOUNT

COMPACT  
DIMENSIONS

TRUE RMS

EARTH FAULT  
DETECTION

EARTH LEAKAGE  
DETECTION  
(TYPE A)



## P50ELR-3

### Earth Leakage Relay (3A) with SPDT contact

#### Key Features:

- Panel (Flush) Mount enclosure
- Quick to install using adjustable side clips (no fixing screws required)
- Selectable Trip setting (0.03 - 3A)
- Selectable Time delay setting (0 [inst.] - 0.5s)
- Test and Reset buttons for simulating and clearing of fault condition
- Toroid open circuit detection
- LED bargraph for leakage current indication
- Red LED indication of actual tripped condition
- Green LED indication for Auxiliary power supply presence
- Microprocessor based (self checking) with non-volatile memory
- 1 x SPDT relay output - 8A
- Supply voltage options: 115V AC or 230V AC

NEW



Dims:  
W x H. 57 x 70mm (front)  
W x H. 50 x 62mm (main body)  
L. 91mm

## P50ELR-10

### Earth Leakage Relay (10A) with SPDT contact

#### Key Features:

- Panel (Flush) Mount enclosure
- Quick to install using adjustable side clips (no fixing screws required)
- Selectable Trip setting (0.03 - 10A)
- Selectable Time delay setting (0 [inst.] - 0.5s)
- Test and Reset buttons for simulating and clearing of fault condition
- Toroid open circuit detection
- LED bargraph for leakage current indication
- Red LED indication of actual tripped condition
- Green LED indication for Auxiliary power supply presence
- Microprocessor based (self checking) with non-volatile memory
- 1 x SPDT relay output - 8A
- Supply voltage options: 115V AC or 230V AC

NEW



Dims:  
W x H. 57 x 70mm (front)  
W x H. 50 x 62mm (main body)  
L. 91mm

## P50ELR-30

### Earth Leakage Relay (30A) with SPDT contact

#### Key Features:

- Panel (Flush) Mount enclosure
- Quick to install using adjustable side clips (no fixing screws required)
- Selectable Trip setting (0.03 - 30A)
- Selectable Time delay setting (0 [inst.] - 0.5s)
- Test and Reset buttons for simulating and clearing of fault condition
- Toroid open circuit detection
- LED bargraph for leakage current indication
- Red LED indication of actual tripped condition
- Green LED indication for Auxiliary power supply presence
- Microprocessor based (self checking) with non-volatile memory
- 1 x SPDT relay output - 8A
- Supply voltage options: 115V AC or 230V AC

NEW



Dims:  
W x H. 57 x 70mm (front)  
W x H. 50 x 62mm (main body)  
L. 91mm

## P50ELR-3/2

### Earth Leakage Relay (3A) with 2 x SPNO contacts

#### Key Features:

- Panel (Flush) Mount enclosure
- Quick to install using adjustable side clips (no fixing screws required)
- Selectable Trip setting (0.03 - 3A)
- Selectable Time delay setting (0 [inst.] - 0.5s)
- Test and Reset buttons for simulating and clearing of fault condition
- Toroid open circuit detection
- LED bargraph for leakage current indication
- Red LED indication of actual tripped condition
- Green LED indication for Auxiliary power supply presence
- Microprocessor based (self checking) with non-volatile memory
- 2 x SPNO relay output - 3A
- Supply voltage options: 115V AC or 230V AC

NEW



Dims:  
W x H. 57 x 70mm (front)  
W x H. 50 x 62mm (main body)  
L. 91mm

## P50ELR-10/2

### Earth Leakage Relay (10A) with 2 x SPNO contacts

#### Key Features:

- Panel (Flush) Mount enclosure
- Quick to install using adjustable side clips (no fixing screws required)
- Selectable Trip setting (0.03 - 10A)
- Selectable Time delay setting (0 [inst.] - 0.5s)
- Test and Reset buttons for simulating and clearing of fault condition
- Toroid open circuit detection
- LED bargraph for leakage current indication
- Red LED indication of actual tripped condition
- Green LED indication for Auxiliary power supply presence
- Microprocessor based (self checking) with non-volatile memory
- 2 x SPNO relay output - 3A
- Supply voltage options: 115V AC or 230V AC

NEW



Dims:  
W x H. 57 x 70mm (front)  
W x H. 50 x 62mm (main body)  
L. 91mm

## P50ELR-30/2

### Earth Leakage Relay (30A) with 2 x SPNO contacts

#### Key Features:

- Panel (Flush) Mount enclosure
- Quick to install using adjustable side clips (no fixing screws required)
- Selectable Trip setting (0.03 - 30A)
- Selectable Time delay setting (0 [inst.] - 0.5s)
- Test and Reset buttons for simulating and clearing of fault condition
- Toroid open circuit detection
- LED bargraph for leakage current indication
- Red LED indication of actual tripped condition
- Green LED indication for Auxiliary power supply presence
- Microprocessor based (self checking) with non-volatile memory
- 2 x SPNO relay output - 3A
- Supply voltage options: 115V AC or 230V AC

NEW



Dims:  
W x H. 57 x 70mm (front)  
W x H. 50 x 62mm (main body)  
L. 91mm



## P50EFR

**NEW**

### Earth Fault Relay (2A) with SPDT contact

#### Key Features:

- Panel (Flush) Mount enclosure
- Quick to install using adjustable side clips (no fixing screws required)
- Adjustable Trip setting (0.1 - 2A)
- Adjustable Time delay setting (0.05 - 1s)
- Test and Reset buttons for simulating and clearing of fault condition
- Red LED indication of actual tripped condition
- Green LED indication for Auxiliary power supply presence
- Microprocessor based (self checking) with non-volatile memory
- 1 x SPDT relay output - 8A
- Supply voltage options: 115V AC or 230V AC



Dims:  
W x H. 57 x 70mm (front)  
W x H. 50 x 62mm (main body)  
L. 91mm

## P50EFR/2

**NEW**

### Earth Fault Relay (2A) with 2 x SPNO contacts

#### Key Features:

- Panel (Flush) Mount enclosure
- Quick to install using adjustable side clips (no fixing screws required)
- Adjustable Trip setting (0.1 - 2A)
- Adjustable Time delay setting (0.05 - 1s)
- Test and Reset buttons for simulating and clearing of fault condition
- Red LED indication of actual tripped condition
- Green LED indication for Auxiliary power supply presence
- Microprocessor based (self checking) with non-volatile memory
- 2 x SPNO relay outputs - 3A
- Supply voltage options: 115V AC or 230V AC



Dims:  
W x H. 57 x 70mm (front)  
W x H. 50 x 62mm (main body)  
L. 91mm

## BZCT Toroids

### Used with P50ELR range

#### Key Features:

- 5 sizes available - 35mm, 50mm, 70mm, 120mm and 160mm
- Circular aperture
- Surface mounting
- Fixing slots provided



Broyce Control Ltd. Pool Street, Wolverhampton,  
West Midlands, WV2 4HN. U.K.  
Tel: +44 (0) 1902 773746 Fax: +44 (0) 1902 420639  
Email: sales@broycecontrol.com Web: www.broycecontrol.com



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