

New!

BROYCE
CONTROL

Passionate about protection and control

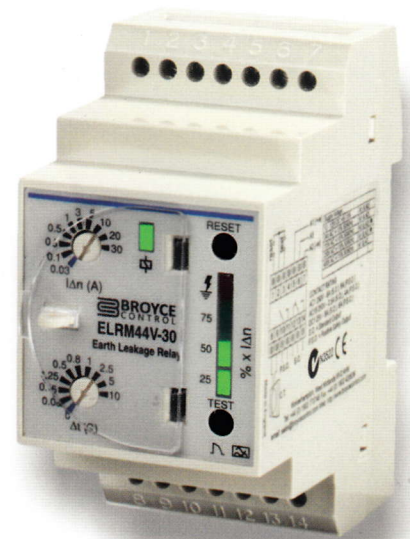


Earth Leakage Relays & Core Balance CT's (Toroids)

ELRM44V

Type A with adjustable trip and time delay settings

- ❑ True R.M.S.
- ❑ Designed to monitor and detect earth fault currents (up to 30A) in conjunction with a separate Toroid (CBCT)
- ❑ LED bargraph provides constant indication of any leakage current
- ❑ Microprocessor controlled with internal monitoring (self-checking)
- ❑ Adjustable Sensitivity ($I\Delta n$) - 30mA to 30A
- ❑ Adjustable Time Delay (Δt) - 0 (instantaneous) to 10 seconds
- ❑ Separate "Test" and "Reset" push buttons
- ❑ Connection facility for remote "Test" and "Reset" push buttons or N.O. contacts
- ❑ Toroid open circuit detection forces unit to trip (Red LED flashes during this condition)
- ❑ 2 Relay outputs - Standard Output (S.O.) and Positive Safety Output (P.S.O.)
- ❑ LED indication of Supply status and fault condition after unit has tripped



Dims: to DIN 43880
W. 44mm

Note: Auto-reclosure version also available Type: [ELRM44V-30A](#)

ELRM44F

Type A with fixed trip and time delay setting

- ❑ True R.M.S.
- ❑ Designed to monitor and detect earth fault currents in conjunction with a separate Toroid (CBCT)
- ❑ Microprocessor controlled with internal monitoring (self-checking)
- ❑ Fixed Sensitivity ($I\Delta n$) - 30, 100 or 300mA
- ❑ Fixed Time Delay (Δt) - 0 (instantaneous)
- ❑ Separate "Test" and "Reset" push buttons
- ❑ Connection facility for remote "Test" and "Reset" push buttons or N.O. contacts
- ❑ Toroid open circuit detection forces unit to trip (Red LED flashes during this condition)
- ❑ SPDT relay output 8A
- ❑ LED indication of Supply status and fault condition after unit has tripped



Dims: to DIN 43880
W. 44mm

ELRP48V

Type A with adjustable trip and time delay settings

- ❑ True R.M.S.
- ❑ Pluggable connectors located at the rear of the unit and supplied with mating, re-wireable sockets
- ❑ Designed to monitor and detect true RMS earth fault currents (up to 30A) in conjunction with a separate Toroid (CBCT)
- ❑ LED bargraph provides constant indication of any leakage current
- ❑ Microprocessor controlled with internal monitoring (self-checking)
- ❑ Adjustable Sensitivity ($I\Delta n$) - 30mA to 30A
- ❑ Adjustable Time Delay (Δt) - 0 (instantaneous) to 10 seconds
- ❑ Separate "Test" and "Reset" push buttons
- ❑ Connection facility for remote "Test" and "Reset" push buttons
- ❑ Toroid open circuit detection forces unit to trip (Red LED flashes during this condition)
- ❑ 2 Relay outputs - Standard Output (S.O.) and Positive Safety Output (P.S.O)
- ❑ LED indication of Supply status and fault condition after unit has tripped



Dims:
W x H. 48 x 48mm
L. 96mm

ELR-IF

Type A with integral toroid, fixed trip and time delay setting

- ❑ True R.M.S.
- ❑ DIN Rail or Surface mount enclosure
- ❑ Integral Toroid - 25mm
- ❑ Designed to monitor and detect earth leakage currents
- ❑ Protected against nuisance tripping
- ❑ Microprocessor controlled
- ❑ Three versions available - 30mA (instantaneous), 100mA (100ms) or 300mA (100ms)*
- ❑ Separate "Test" and "Reset" push buttons
- ❑ SPDT relay output 5A
- ❑ Green LED indicates presence of power supply
- ❑ Red LED indicates fault current is >50% of $I\Delta n$ if flashing, or relay has tripped if permanently illuminated



Dims:
W. 70mm
H. 110mm
D. 37mm

BZCT Toroids (CBCT)



- ❑ Used with all Broyce "Type A" Earth Leakage Relays
- ❑ 1000:1 ratio
- ❑ Circular versions available intended for cables
- ❑ Rectangular versions available intended for bus-bar systems
- ❑ Encapsulated versions available

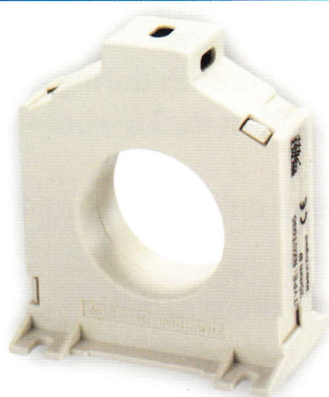
BZCT070

70mm Ø



BZCT035

35mm Ø



BZCT120

120mm Ø

BZCT160

160mm Ø



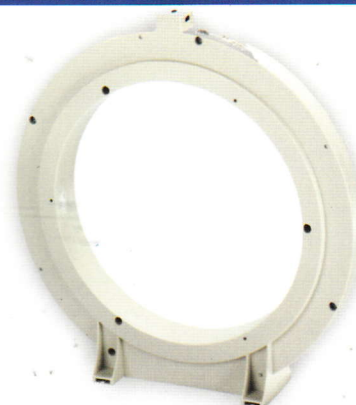
BZCT050

50mm Ø



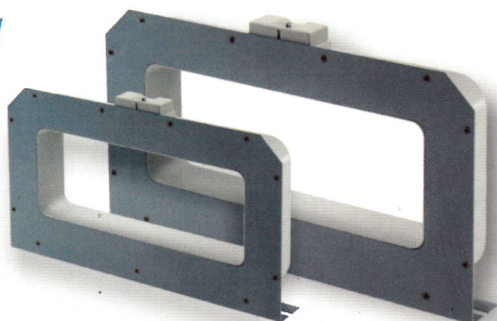
BZCT210

210mm Ø



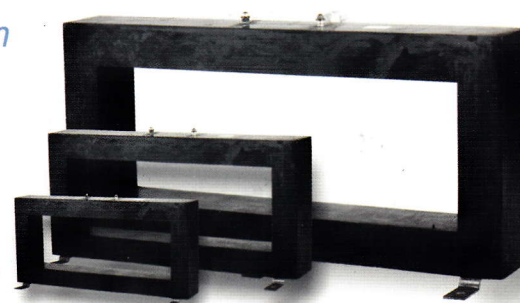
BZCTR305 & 350

305 and
350mm



BZCTR470

470mm



Smaller sizes
coming soon



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