



Earth Leakage Relays & Transformers

**Safe and simple protection
against Earth Faults**

From 5mA to 30 Amp

DIN Rail Mounting

Adjustable Time Delay

Test Facility



**ELR251 Relay
General Protection**

ELR 251

For General Protection

Latching Facility

Manual or Auto Reset

3 Primary Current Ranges

5-100mA; 50mA-1A; 500mA-10A



The **ELR251** is a general **Earth Fault Protection** Relay designed to operate over a wide range of currents. Trip currents and delays can be set. Facilities exist for Remote Test and Remote Reset.

SPECIFICATION

Auxiliary Supply	400, 230, 110, 48 or 24 V _{AC} ±15% 3VA 48 or 24 V _{DC} ±15% 3W
Relay Contacts	Single Pole Changeover 10A 230V _{AC} , 2200VA max 1A 230V _{DC} , 30W max
Isolation	Via Transformer
Terminals	4mm ² max. Cable Size
Enclosure	DIN 43880, 3 modules Wide Noryl UL94VO
Rail	DIN EN 50022 - 35mm
Weight	250 gms
Environment	
Operating	-10°C to 60°C <75% Non Condensing
Storage	-25°C to 70°C < 85% Non Condensing
CT Input	6mA Nominal FS
Trip Delay	100ms to 10 seconds
Repeatability	±2% to VDE0435 ±5% Constant Ambient
Trip Current	5mA - 100mA 50mA - 1 A 500mA - 10 A
Dimensions	84mm x85mm high (inc controls) 48mm along Rail

Core Balance Current Transformers (CBCTs)

Ref	Trip Range	Internal Size mm	Height mm	Max Depth mm	Weight Net (Gross) gms
K2035	5mA to 100mA 50mA to 1 A 500mA – 10 A	38 dia.	74	40	65 (75)
K2070	50mA to 1 A 500mA – 10 A	70 dia.	117	40	110 (130)
K2120	50mA to 1 A 0.5 A – 10 A	120 dia.	172	40	187 (238)
K2121	0.5 A – 10 A	120 dia.	172	75	187 (238)
K2210	0.5 A – 10 A	210 dia.	271	75	1510 (1675)
K1020	0.5 A to 10 A	72 x 290 mm	180	45	6000
K1021	1 A to 30 A	72 x 290 mm	180	45	6000