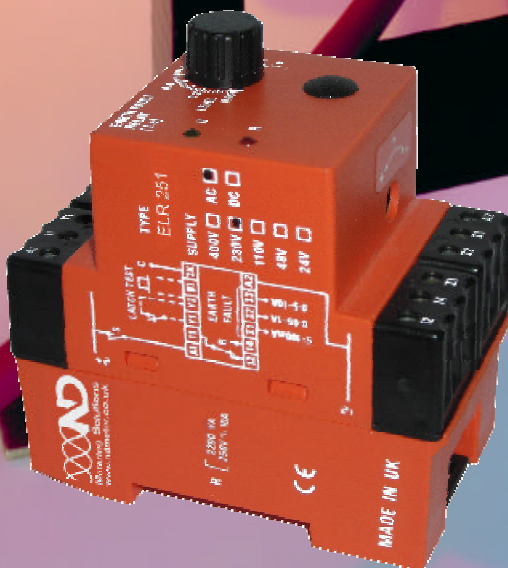


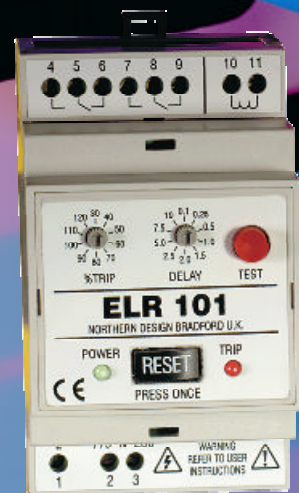
**Safe and simple protection
against Earth Faults**

From 5mA to 30 Amp

**DIN Rail Mounting
Adjustable Time Delay
Test Facility**



ELR251 Relay
General Protection



ELR101 Relay
High performance
Failsafe
Safe to Reset



ELR 101

For Motor Protection

Safe to Reset

No power necessary

Fail Safe

Latched Alarm relay

The **ELR101** is designed for **Motor Protection**. Trip currents can be set accurately; the primary setting is by selection of the CT with the %Trip control allowing adjustment between 30% and 120% of the CT rating.

SPECIFICATION

Auxiliary Supply	230 or 115VAC ($\pm 15\%$) 50-60Hz 5VA
Relay Contacts	Double Pole Changeover 5A, 230V _{AC} , 120W Resistive 2.5A, 230V _{AC} , 75W Inductive
Isolation	2.5kV, 1 minute (CT/Relay/Supply)
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 65°C <75% Non Condensing
Storage	-25°C to 70°C < 85% Non Condensing
Memory	Relay Status on Power Loss
CT Input	6mA Nominal FS
Trip Delay	100ms to 10 seconds
Accuracy	$\pm 5\%$ of preset value
Trip Current	30% to 120% of CT Sensitivity
Accuracy	$\pm 10\%$ of preset value
Dimensions	89mm x 60mm high (inc controls) 52mm along rail

Core Balance Current Transformers

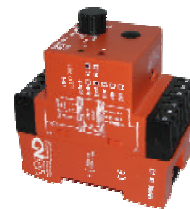
Ref	Trip Range	Internal Dia.	Max Amps
K1029	30 to 120mA	N/A	5A
K1028	100 to 360mA	N/A	15A
K1027	0.3 to 1.2A	N/A	25A
K1025	0.3 to 1.2A	23 mm	N/A
K1025/40	0.3 to 1.2A	40 mm	N/A
K1024	1.0 to 3.6A	40 mm	N/A
K1024/55	1.0 to 3.6A	55 mm	N/A
K1023	3.0 to 12.0A	55 mm	N/A
K1023D	1.0 to 3.6A	55 mm	N/A
Dual Range	3.0 to 12.0A		
K1023/105	3.0 to 12.0A	105 mm	N/A
K1021	10.0 to 36.0A	72 x 290 mm	N/A
K1020	3.0 to 12.0A	72 x 290 mm	N/A

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} $\pm 15\%$ 3VA 48 or 24 V _{DC} $\pm 15\%$ 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	$\pm 2\%$ to VDE0435 $\pm 5\%$ Constant Ambient
Trip Current	5mA - 100mA 50mA - 1 A 500mA - 10 A
Dimensions	84mm x 85mm high (inc controls) 48mm along Rail

Core Balance Current Transformers

Ref	Trip Range	Internal Dia.	Height	Max Depth
K2027	5 to 100mA	27 mm	69 mm	25 mm
K2035	50mA to 1A 500mA - 10 A	38 mm	74 mm	40 mm
K2070	50mA to 1A 500mA - 10 A	70 mm	117 mm	40 mm
K2120	50mA to 1A 500mA - 10 A	120 mm	172 mm	40 mm
K2210	500mA - 10 A	210 mm	271 mm	75 mm