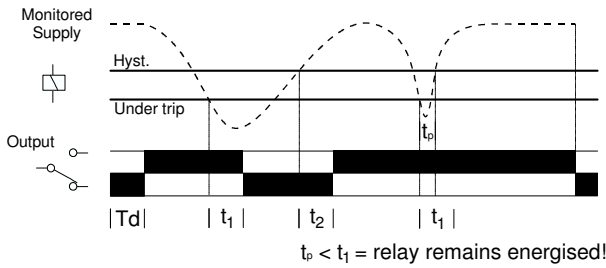


- ***NEW* 17.5mm DIN rail housing**
- **Microprocessor based**
- **True R.M.S. monitoring**
- **Monitors own supply and detects if the supply drops below the fixed Under voltage trip level**
- **Single Phase operation**
- **1 x SPDT relay output 8A**
- **Green LED indication for supply status**
- **Red LED indication for relay status**

FUNCTION DIAGRAM



TECHNICAL SPECIFICATION

Supply/monitoring voltage	230V AC	
Un* (A1, A2):	230V AC	
Frequency range:	48 – 63Hz	
Supply variation:	60 – 115% Un	
Overvoltage category:	III (IEC 60664)	
Rated impulse withstand voltage:	4kV (1.2/50µs) IEC 60664	
Power consumption (max.):	8VA	
Monitoring mode:	Under voltage	
Trip levels:	Under: 75% of Un (fixed) ± 2%	
Hysteresis:	≈ 10 % of trip level (factory set)	
Repeat accuracy:	± 0.5% at constant conditions	
Immunity from micro power cuts:	<50mS	
Response time:	≈ 50mS	
Time delay (t1/t2):	<300mS	
Power on delay (Td):	≈ 1 sec. (worst case = Td x 2)	
Power on indication:	Green LED	
Relay status indication:	Red LED	
Ambient temp:	-20 to +60°C	
Relative humidity:	+95%	
Output (15, 16, 18):	SPDT relay	
Output rating:	AC1	250V 8A (2000VA)
	AC15	250V 5A (no), 3A (nc)
	DC1	25V 8A (200W)
Electrical life:	≥ 150,000 ops at rated load	
Dielectric voltage:	2kV AC (rms) IEC 60947-1	
Rated impulse withstand voltage:	4kV (1.2/50µs) IEC 60664	
Housing:	Orange flame retardant UL94	
Weight:	75g	
Mounting option:	On to 35mm symmetric DIN rail to BS EN 60715 or direct surface mounting via 2 x M3.5 or 4BA screws using the black clips provided on the rear of the unit.	
Terminal conductor size	≤ 2 x 2.5mm ² solid or stranded	
Approvals:	Conforms to IEC, CE, and RoHS Compliant. EMC: Immunity: EN 61000-6-2 (EN 61000-4-3 15V/m 80MHz - 2.7GHz) Emissions: EN 61000-6-4	

INSTALLATION AND SETTING

- BEFORE INSTALLATION, ISOLATE THE SUPPLY.
- Connect the unit as required. The Connection Diagram below shows a typical installation, whereby the supply is being monitored by the Voltage monitoring relay. If a fault should occur (i.e. fuse blowing), the relay will de-energise.



Installation work must be carried out by qualified personnel.

Applying power.

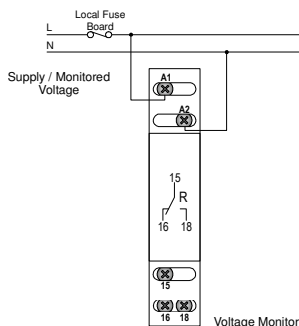
- Apply power and the green "Power supply" ① and red "Relay" ② LED's will illuminate, the relay will energise and contacts 15 and 18 will close. Refer to the troubleshooting table if the unit fails to operate correctly.

Troubleshooting.

The table below shows the status of the unit during a fault condition.

Supply fault	Green LED	Red LED	Relay
No supply	Off	Off	De-energised
Under Voltage condition (<75% of Un)	On	Off	De-energised

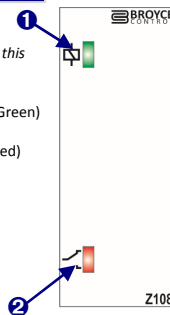
CONNECTION DIAGRAM



SETTING DETAILS

There are no user adjustments/settings on this product.

1. Power supply status (Green) LED
2. Relay output status (Red) LED



DIMENSIONS

