

MODEL:- TLP-Pxxx-1P-R
 Transtech Lightning Protector Single Phase, 3 Mode with two status LED's and a Relay - CAT C or less



GENERAL DESCRIPTION

The TLP-Pxxx-1P-R is a “compact design new series” lightning and transient protector which provides protection for electrical / electronic equipment connected to single phase distribution systems.

The TLP-Pxxx-1P-R is a true 3 mode parallel connected protection device offering a kA level as per **table 2** for all 3 modes as well as two LEDs (power on and fault) and an alarm relay output to input to a BMS system.

For mains supply of greater than 100A adequate HRC fuse or MCB protection must be installed prior to the TLP-xxx-1P

FEATURES

- ◆ Compact design – space saving
- ◆ Low “let thru” voltage
- ◆ Designed and manufactured to ISO 9001
- ◆ Internally protected – automatic reset
- ◆ Local status indication LED's
- ◆ Remote status indication relay
- ◆ High Energy designed pcb's
- ◆ CE Marking / C-tick N 2909
- ◆ Full 3 mode protection
- ◆ DIN 43880 compliant
- ◆ Designed to pass IEC 61643-1:2005 and AS/NZS 1768:2003

NOTE: This device must be installed by a Qualified Electrician.

TECHNICAL DATA

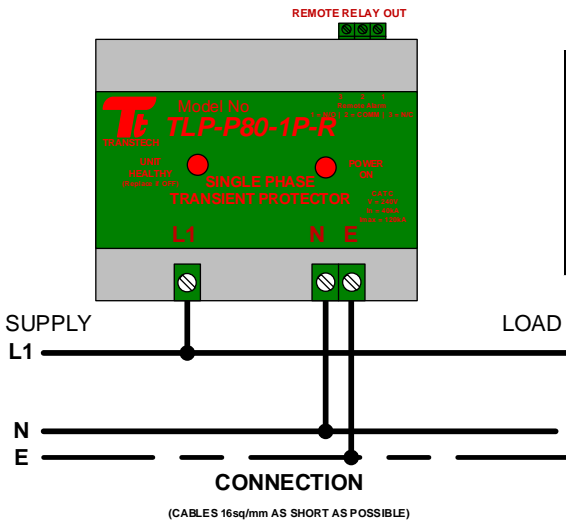
Normal Working voltage	see Table 2
Maximum working voltage	275VAC rms (phase to neutral / earth)
Working Freq.	40 - 60Hz
Peak let thru volts	see Table 2
Maximum mains current	Unlimited (parallel connected)
	Must be fuse protected over 100A Mains
	see Table 2
Imax	Less than 25nS
Response time	SPCO (1 amp @240V/ac)
Relay Contacts	Automatic
Surge Reset	

SPECIAL FEATURES

Relay Output	Phase loss
LED's (2)	L1, RED = healthy & Power on = RED
R	Relay output
OPTION	Nil

GENERAL SPECIFICATION

Operating Temp	-40 to +70 Deg C
Terminals	16mm ² solid max / 10mm ² flex max
Remote Terminals	Plug in 2.5mm ²
Indicators	Two LED's (power ON and fault)
Housing Material	Mild Steel (Powder coated)
Dimensions	82 (W) x 110 (D) x 75 (H)
Weight	500 grams
Mounting	DIN 43880 Standard DIN Rail



Model	Working Voltage	Frequency.	Imax	In	Let Thru V	Response Time
	Phase-Neutral					
TLP-P40-1P-R	240V	40-60HZ	40kA	16kA	> 810	25nS
TLP-P80-1P-R	240V	40-60HZ	80kA	32kA	> 810	25nS
TLP-P130-1P-R	240V	40-60HZ	130kA	52kA	> 810	25nS

TABLE No 2

