THE POWER LINE SERIES

12-00602 rev_2

Refrigeration Tripconnect



Features

- Economical protection
- Status monitoring
- Automatic operation
- Reduces in rush current
- Built-in delay

There are many instances in areas where the quality of supply is unpredictable. Even when UPS equipment is installed, large fluctuations in supply voltage can damage electronic equipment. Power protection devices used at home, office and work-place such as surge suppressors and stabilizers provide protection against power spikes that happens in milliseconds, mainly caused by lightning.

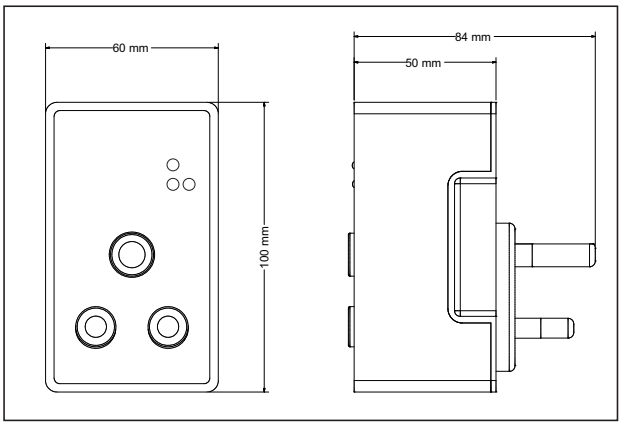
The tripconnect prevents damage from power surges and dips (brownouts) caused by power shutdowns and over- and under-voltages from unstable power. The duration of these conditions is normally longer and can be especially damaging to air conditioners, electric motors, etc., running under load, and expensive electronic equipment.

The trip connect unit will simply remove power from the equipment in the event of over or under voltage conditions and automatically restore power when the supply falls below acceptable limits. Surge protection and status monitoring has been included.

The single phase unit is simply inserted between the wall socket and the equipment power plug. Zero voltage switch-on has been included for smooth

Specification	
Power	
Nom. input voltage	230VAC 50Hz
Max load current	16A
Low voltage trip limit	180V
Low voltage connect	190V
High voltage trip limit	260V
High voltage connect	250V
No of cycles to trip	1-3
Max discharge current Ismax (8/20)	8kA L-N, L-E, N-E
Residual voltage @ Ismax (Up)	<900V
Response time	<25ns
Indication LED	Power Available, Delay Active & Protected when Lit
Delay time	5min - Refrigeration
Standards compliance	IEC 99.4, ANSI C62.42

Dimension

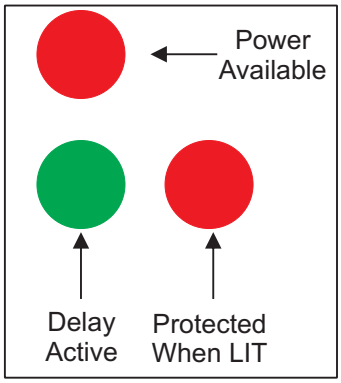


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CLEARLINE
THE ELECTRONIC PROTECTION COMPANY

LED STATUS INDICATION



Operation

Upon power-up, a delay will be initiated, after which the power will be connected to the equipment. Should the supply voltage exceed the upper or lower limits, the power will be disconnected from the equipment. When the supply voltage returns to within the limits, the same delay will be initiated, after which the power will be connected to the equipment.

Status Indication

Three LED's are provided to show the status of the protector. Below is an explanation of the expected LED configurations.

		NORMAL OPERATION	
1		Power Available Delay Active Protected When LIT	- ON - OFF - delay timed out - Normal operation. Power connected to equipment
		DELAY MODE (WAIT)	
2		Power Available Delay Active Protected When LIT	- ON - 5 minutes delay is activated - OFF (No output)
		LOW VOLTAGE	
3		Power Available Delay Active Protected When LIT	- ON - Flashes once every 3 second - Low voltage - OFF (No output)
		HIGH VOLTAGE	
4		Power Available Delay Active Protected When LIT	- ON - Flashes twice every 3 second - High voltage - OFF (No output)
		NO POWER	
5		Power Available Delay Active Protected When LIT	- OFF - No power to Surge protector - OFF - OFF (No output)
		PROTECTOR FAULTY	
6		Power Available Delay Active Protected When LIT	- ON - OFF - delay timed out - OFF - Surge protector faulty, check protector

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