

Clearline Lightning & Loadshedding Solution

THE POWER LINE SERIES UNI - TRIPCONNECT

Features

- Economical protection
- Status monitoring
- Automatic operation
- Reduces in rush current
- Built-in delay
- Generator Friendly
- Selectable delay - 10seconds or 5minutes



There are many instances in areas where the quality of supply is unpredictable and lightning prone. Even when UPS/Generator 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 UNI-Tripconnect prevents damage from high power surges and dips (brownouts) caused by power shutdowns (loadshedding) 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 UNI-Tripconnect 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 operation.

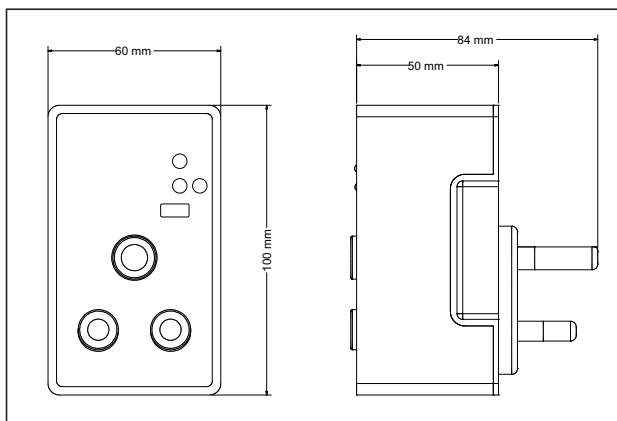
Specifications

Power Surge Protection	
Nom. Input Voltage	230VAC 50Hz
Max. Continuous Current	16A
Max. Discharge Current	8kA L-N, L-E, N-E (8/20us)
Residual Voltage	<900V
Response Time	<25ns
Input Connectors	16A 3Pin Plug
Output Connectors	16A 3Pin Socket

Tripconnect

Phase	Single (Sinusoid)
Low Voltage Trip	180V _{RMS} (255V _{peak})
Low Voltage Connect	190V _{RMS} (269V _{peak})
High Voltage Trip	260V _{RMS} (368V _{peak})
High Voltage Connect	250V _{RMS} (354V _{peak})
Connect Delay	Selectable 10 sec or 5 min
No. of Cycles to Trip	1-3

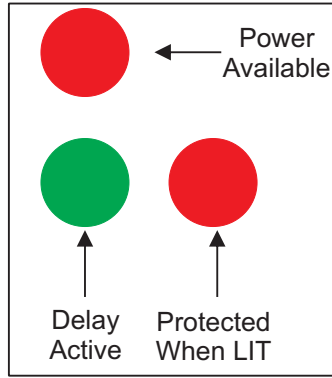
Dimension



Designed and Manufactured by:
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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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