# THE POWER LINE SERIES

**12-00333** rev3

## Power + Surge Tripconnect

### Features

- Reduces inrush current
- Built-in Delay
- Status monitoring
- Automatic Operation
- Easy installation
- Small size
- Provides protection against:
  - Over Voltage
  - Under Voltage

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 **Power + Surge 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 **Power + Surge Tripconnect®** disconnects the power altogether when these conditions occur and remains off for 10 seconds giving the power feed time to stabilize.

The **Power + Surge Tripconnect®** is easy to use and LED indicators are provided.



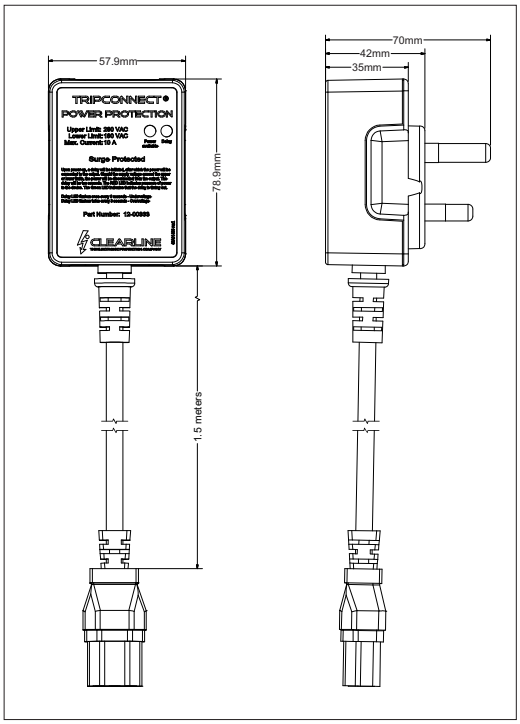

*Specifications subject to change without prior notice due to continuous improvements

### Method of Operation

Upon power-up, a delay will be initiated, after which the power will be connected to the output. Should the supply voltage exceed the upper or lower limits, the power will be disconnected from the output. When the supply voltage return to within the limits, the same delay will be initiated, after which the power will be connected to the output. The delay is set to ten seconds. The RED LED indicates presence of power to the device. The GREEN LED indicates that the delay is timing out

Delay LED flashes once every 3 seconds - Undervoltage
Delay LED flashes twice every 3 seconds - Overvoltage

| Specifications | |
|---|---|
| **Power Surge Protection** | |
| Nom. Input Voltage | 230VAC 50Hz |
| Max. Continuous Current | 10A |
| Max. Discharge Current | 4.5kA L-N, L-E, N-E (8/20us) |
| Residual Voltage | <900V |
| Response Time | <25ns |
| Input Connectors | 16A 3Pin Plug |
| Output Connectors | IEC Female (C13) |
| **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 | 10 seconds |
| No. of Cycles to Trip | 1-3 |
| **Other** | |
| Indication | LED |
| Temperature Range | 0°C to +40°C |
| Standard Compliance | IEC 61643-1 |
| Lead Length | 1.5meters |
| Dimensions | 58x79x70mm (excluding lead) |
| Weight | 0.3kg |




**Designed and Manufactured by:**

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