

# Bronson ++

**Bronson CL Series  
Soft Starter Inrush Current Limiter**

**Instruction Manual**



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## **Bronson CL Series Soft Starter Inrush Current Limiter**

### **Product Overview**

The Bronson CL series is intended as a product for electrical installations where initial starting current draws can be excessive and need to be reduced. It can be used as a solution for installations that trip circuit breakers when first powered up due to large inrush current loads from electrical motors, various industrial equipment, long cable runs, large transformers, etc. Also it can be of helpful to overcome issues with Solar Inverters and UPS backup systems that can switch off into overcurrent protection modes due to an initial startup current from a connected device.

Soft Starter Inrush Current Limiter

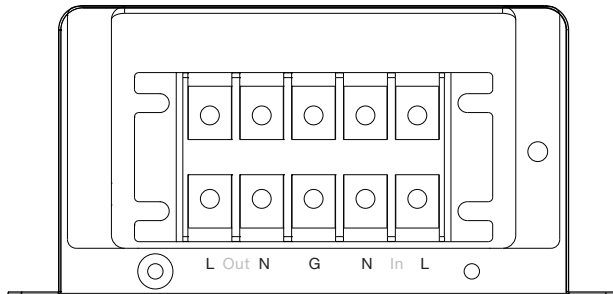


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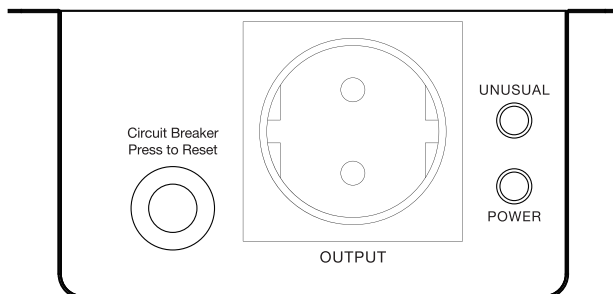
## Main features

- Bronson CL soft starters will work for application loads up to 50Amps
- Initial starting current of motors and other high inrush current applications will be reduced to prevent overloading fuses and circuit breakers and pushing UPS or Solar Inverter equipment into overcurrent protection mode
- Easy installation - includes an EU Shuko type socket for connection to household appliances up to 16A
- Reduced mechanical stress on motors by gradually scaling the starting current to limit the torsional forces upon startup

## Terminal Input & Output



- 16A EU Schuko Output Socket**
- Push Button Circuit Breaker**
- LED Power On Indicator**
- LED Unusual Status Indicator**



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### Installation Notes:

- The Bronson CL series are intended for indoor use in normal avoid high heat and humidity where possible. Install in an area that is out of direct sunlight and free from dust and water.
- An EU Schuko output socket is for loads less than 16A.
- For larger loads (up to 30A for the CL-30 model - or up to 50A for the CL-50 model) the terminal connections must be used.

*CAUTION: Ensure that the Line, Neutral, and Ground lines are correctly connected to your CL device - failure to do so can cause damage to your CL device and the connected equipment - if you have any doubt about the proper wiring then contact a professional installer.*

### Warning: Electrical Shock Hazard



Do not install in a location where people can easily touch the device. Repair, and maintenance must be performed by qualified personnel. Do not attempt to open the soft starter while it is connected to live electrical connection. The user is responsible for compliance with all international and national electrical code requirements with respect to grounding of all equipment.



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