PC30AL

REMOTE POWER CONTROLLER

REFERENCE MANUAL

STELLAR

CAUTION

Read all operating and assembly instructions carefully before using the appliance. Stellar Technologies LLC cannot assume any responsibility for personal injury or damage of property resulting from failure to abide by the instructions provided in this reference manual. Owner and the operator are responsible to read and comply with the following

Warning: This device operates at 'Mains Potential'. All installation work and servicing must be performed, with the power supply switched off at source.

Warning: No customer serviceable parts. Service should be conducted by qualified electrician only.

Warning: DO NOT open or make modifications to the device.

Warning: During storage or malfunction power supply should be switched off at source.

INTRODUCTION

The PC30AL remote controller offers variable control of mains-driven loads, for resistive load of up to 2000W from the distance of up to 150m. Controller can adjust power settings at 100% -75%-50% with dedicated buttons. The aluminium body acts as a heat sink, lowers operating temperature and extends the life of unit. Output levels are selected by dedicated buttons on the remote handset. Special connectors enable easy connection. Installation is very simple, with special adhesive tape on the back of the body of the unit, it sticks almost to any surface.

SPECIFICATIONS

Working Frequency: 433MHz
Receiving Sensitivity: 103dBm
Signal Distance: 150m Direct Sight
Supply voltage : 230V ac +/- 10%
Supply frequency : 50Hz
Load rating (maximum) : 8.7A (2000W @ 230V AC & 25°C ambient)
Output levels : Off, 50%, 75%, 100%
IP Rating : IP66
Operating temperature : -20°C to 50°C
Supply & load cable (Recommended) : Minimum 1.5mm² 400V AC
Terminal cable ratings : 1.5mm²
Weight : 380g (Main Body)
Power consumption (Maximum) : 70mA

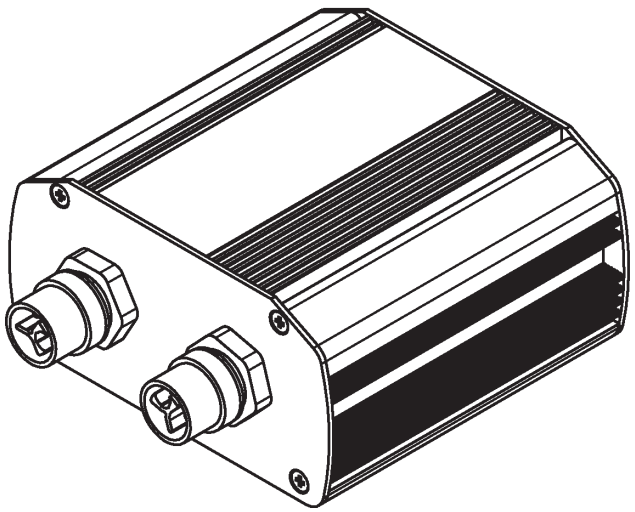
FEATURES

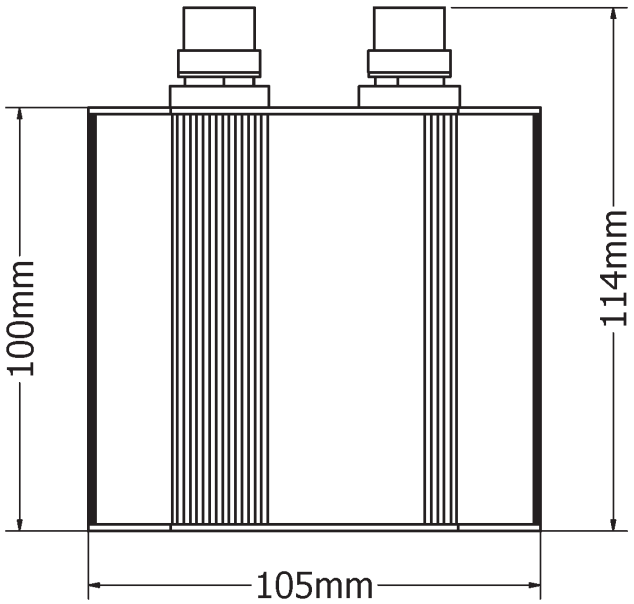
Remote control function from distance up to 150m
Simple mounting
IP66 protection for outdoor installation
Easy Fit Connectors
Pre-set levels for control
Remote can control out of sight
Integrated EMC filter
All aluminium body

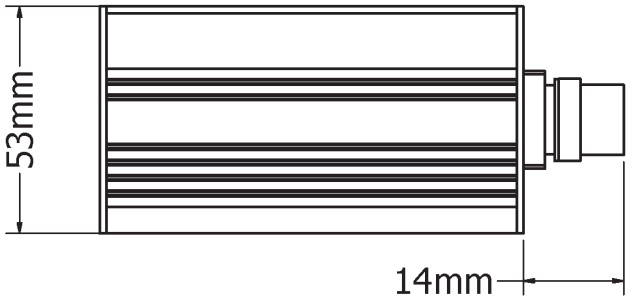
CE MARKING

This unit carries a ‘CE’ mark and incorporates a filter (complies to EN55022:2010 Class B) to comply with the EMC directive.

DIMENSIONS





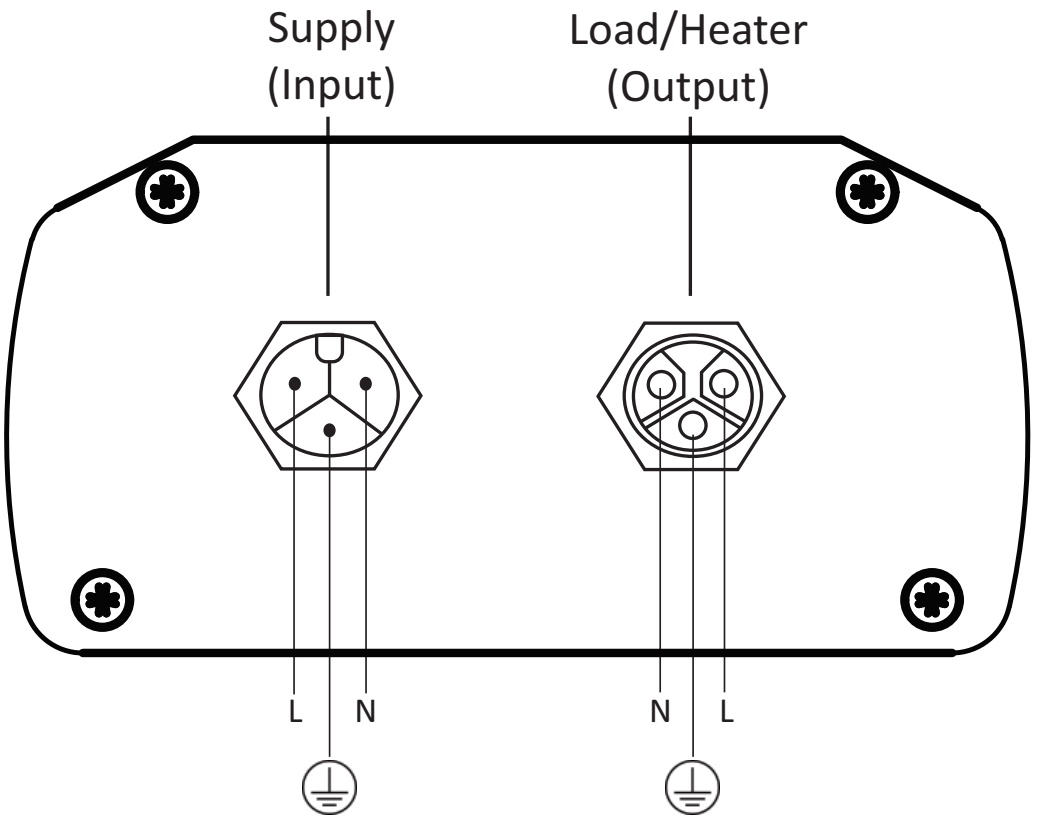


INSTALLATION

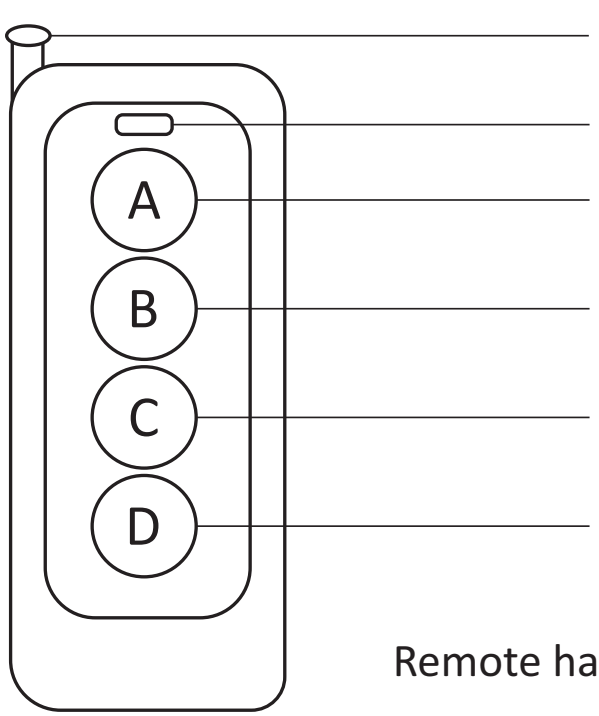
It is recommended that installation and maintenance of this equipment should be done by certified and qualified personnel. Make sure the surface where the device is mounted is clean, smooth and dry for the adhesive tape to hold and create bond. Do not remove and reuse adhesive tape.

Warning: This device operates at ‘Mains Potential’. All installation work and servicing must be performed, with the power supply switched off at source.

CONNECTION



REMOTE HANDSET



Antenna

LED indicator

ON/50%

ON/75%

ON/100%

OFF

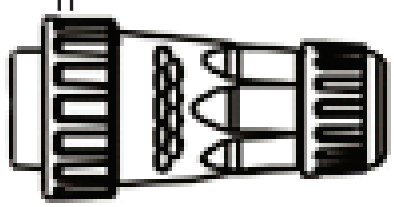
Remote handset is compatible with 12V battery

CONNECTOR WIRING

PC30AL remote power controller comes with 2 items of cable connectors in the box. Spare connectors are intended for cable connection. Pins/terminals should be fitted on the each of the cores of a 3 core wire and tightened with a special tool. Screws should be loosened temporarily on cable connector to enable fitting of a wire into the terminal. Wires should be fitted accordingly to L, N and Earth/GND ports of a connector. Once fitted, screws should be tightened properly. Connector glands and parts should be tightened to ensure protection against water.

CONNECTOR CONNECTION

Each cable connector resembles the picture of the boards female and male connectors pre-installed on the unit body.
Connection is made in 3 simple steps.
1.Cable connector is fitted to the required board connector.
2.The end of connector pushed and fitted.
3.Turn right until it gets tight.



CAUTION
Keep away children from the device and its components, including packaging and remote handset.

SAFETY

It is recommended that installation and maintenance of this equipment should be done with reference to the current edition of the I.E.C/ directive IEC950) by a certified electrician.
These regulations contain important requirements regarding safety of electrical equipment.

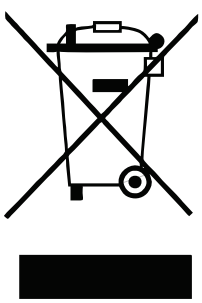
WARNING: This appliance must be connected to a supply that is earthed!

COMMISIONING

With the connectors securely fitted to the unit and the load (heater) mounted & connected, following the instructions provided, switch on the power to the controller.
Fit the remote handset with sufficient 12V battery.
The red LED indicator should not be illuminated.
By pressing the ‘A’ button once, the LED indicator on the remote should blink, and the load (heater) switch on at 50% power.
By pressing the ‘B’ button once, the LED indicator on the remote should blink, and the load (heater) switch on at 75% power.
By pressing the ‘C’ button once, the LED indicator on the remote should blink, and the load (heater) switch on at 100% power.
By pressing the ‘D’ button once, the LED indicator on the remote should blink, and the load (heater) switch OFF

STELLAR

Following information is only for EU-member states:



The use of this symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local council, your household waste disposal service or the shop where you purchased the product.

CE

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