PowerOptimal PowerGuard CPM30-1W specification

INTRODUCING THE PowerGuard® CPM30-1W



The PowerGuard CPM30-1W is the result of on-going development with experience gained from our popular CPM20-1W unit which was developed primarily to reduce costs on demand sensitive electricity bills as well as for customers who do not have enough power. This unit features extended functionality and switching capacity as well as upgraded software algorithms to realise the maximum benefits associated with air conditioner load control.

This certified unit is designed and manufactured in South Africa.

SPECIFICATIONS

INPUT

Shed requests are received via a polarity insensitive low voltage short circuit proof signal generated by the PowerGuard CPM-3PC or CPM-3PC Mk 2.

CONTROL & PROGRAMMING

Various criteria can be selected to optimise the control of air conditioners, geyser and boiler elements thereby making intervention seamless in most installations. Progressive load restoration assists with ‘’cold pick up’’ situations following supply interruptions. All control criteria are switch programmable in order to avoid the need for laptops or specialised software.

DISPLAY

LEDs indicate shed status as well as processor heart-beat, control signal presence and condition of incoming supply.

SPECIFICATIONS

- An over- or under voltage feature protects all affected loads by disconnecting them during potentially harmful voltage situations.
- Standard single phase 230 Volt AC supply, <5 Watts
- Control input is opto-coupled to eliminate ground loops and elevated neutral spreads during faults
- Port hole in cover to observe shed status as well as control activity.

- Output is potential-free 30 Amp relay change-over contacts
- Housing dimensions are 200L x 120W x 76H mm
- Weight 0.8 Kg
- Conforms to SANS/IEC 60669

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