PowerCard

PC-12 / PC-24

STREETCOM

The ITS Solution for high current, regulated rack mount power requirements

Description

PowerCard is a regulated power supply specifically designed to meet the most demanding traffic applications. There are two versions - one with a regulated voltage of 12 volts DC (model PC-12-2.0) and another with a regulated voltage of 24 volts DC (model PC-24-1.2).

Both versions of PowerCard have microprocessor controlled current limiting to protect the power supply from damage caused by excessive current. The unique overcurrent feature allows the power supply to provide a short duration pulse of 150% of the continuous current limit for peak current demand. If the continuous current limit level has been exceded, the PowerCard protects itself and lights the overcurrent indicator on the front panel to alert the user of a fault condition. If the overcurrent condition is removed, the PowerCard returns to normal operation.

PowerCard is designed to operate in standard card racks used in traffic applications. It conforms to the most common pinout configuration.

Typical Applications

Providing power for devices such as video detectors, modems, and loop detectors.

Electrical Specifications

PC-12
Output Voltage - 12VDC +/- 2%
Ripple - 100mV max
Continuous Current Limit - 2.0A
Peak Current Limit - 3A for 200mS
Input Voltage - 120VAC nominal

PC-24
Output Voltage - 24VDC +/- 2%
Ripple - 100mV max
Continuous Current Limit - 1.2A
Peak Current Limit - 2A for 200mS
Input Voltage - 120VAC nominal

Edge Connector Assignments
Pin A - Negative DC voltage output
Pin B - Positive DC voltage output
Pin L - Chassis Ground
Pin M - AC
Pin N - AC

Simply
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