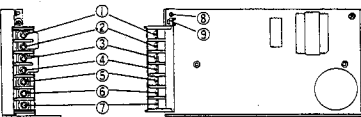


SCS 30/60

SENTRY COMMUNICATION SYSTEMS

POWER SUPPLY

PS-103



1. +S+ remote sensing terminal.
2. +V+ output terminal.
3. -V- output terminal.
4. -S- remote sensing terminal.
5. FG Signal ground.
6. Input terminal AC(L).
7. Input terminal AC(N).
8. Output voltage indicator.
9. Output voltage adjustment.

GENERAL DESCRIPTION

The PS-103 is a 24 VDC power supply that supplies all SCS 30/60 system power requirements.

ENCLOSURE

The enclosure for the PS-103 is a Circle AW Products Co. J&P box 312J. It is 6x12x4 inches. The box is UL listed.

ELECTRICAL

The primary power requirements are 117 VAC at a maximum power of 130 watts.

The primary line is fused in the power supply. Since the power supply is output short circuit protected, only an internal power supply failure will cause the fuse to blow. This will require the power supply to be replaced.

POWER SUPPLY

The PS-103 uses a Elco Model No. K100AU-24 power supply. It is rated at 24 VDC and 4.5 Amperes. The unit is UL recognized and CSA listed.

*Ambient temperature shall be checked according to the mounting method and availability of the case cover. See derating chart for proper use.

(1) Mounting provision



RECOMMENDED BATTERIES

The PS-103 is designed to maintain charge and to recharge sealed lead-acid batteries. Battery capacity will depend on the requirements of each particular installation. Batteries requiring more than 1.5 Amperes charging current will require a separate charging supply.

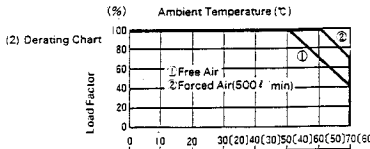
CONNECTIONS

Primary power is wired directly to the screw terminals on the power supply.

All secondary power connections are by three separate two screw terminal blocks. These are marked "CONNECT TO MPA ONLY", "CONNECT TO BATTERY ONLY", and "FOR REMOTE POWER USE ONLY, CONNECT TO POWER LINE". The first is for use only when the power supply is used as the primary source of power for the system and is connected to the primary MPA. The second is for connection to the system backup batteries. The third is for when the power supply is used as a secondary source of power such as at the end of the line, another floor or building, secondary (slave) MPA's, or any output (relay, LED, etc.) board.

ENGINEERING SPECIFICATION

The power supply must supply 24 VDC at 3 Amperes. It must have circuitry to maintain charge on stand-by batteries and isolate the batteries from the power supply. It shall not exceed 6x12x4 inches. Both the enclosure and the primary power supply must be UL recognized. The primary power supply must be CSA listed.



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