SP6000 PCB Layout

BRYCO

LEDs

Charge LED:
Charging and battery test LED

Status LED:
- Flash once every second = Normal
- Flashes ON 1 second and OFF 1 second = Any trouble
- Always ON = Panel is using phone line
- Fast flash 6 seconds after power up = Installer lock enabled

Used for In-Field Firmware upgrade through a 306USB Direct Connect Interface. See Connecting to WinLoad on page 50 for details.

Four pin connector can be used for quick installation of a keypad.

PGM Trigger: This jumper allows you to choose whether the solid state relay PGMs are grounded (-), or give out 12V (+).

Coming soon: VDMP3 plug-in voice module for voice reporting

SERVICE KEYPAD

+AUX - GRN YEL

Refer to *AC Power & Backup Battery Connections on page 49*.

Press and hold the RESET button for five seconds. The STATUS LED will start flashing. Within 2 seconds of this flashing, press the reset switch again. The panel will reset to default and restart.

Paradox Memory Key (PMC-3, PMC-4)

⚠ ***Disconnect telephone line before servicing.***

The "BELL" output will shutdown if the current exceeds 3A.

Refer to Single Zone Inputs on page 47

RJ31X CA 38A

Cold water pipe grounding

AWG#14 single conductor solid copper wire

To metallic enclosure

Ground clamp

AUX Power
Refer to transformer requirements on page 49 for Aux. Power Output. To connect additional wiring to auxiliary power, use the red (+) and black (-) keypad connectors. Auxiliary power will shut down if current exceeds 1.1A. If the auxiliary output is overloaded and is shut down, you must disconnect all loads from the output for at least 10 seconds before reconnecting any load back to the auxiliary output.

⚠ **To provide maximum lightning protection we strongly recommend having separate earth connections for the dialer and zone ground terminals.**

⚠ *Max. amount of keypads = 15 keypads*
Max. current = 700 mA
Max. distance of keypad from panel = 76m (250 feet)
Max. total run of wire = 230m (750 feet)

Connection for Self-Contained Bell/Siren

TRIGGER

SELF-CONTAINED BELL/SIREN

⚠ ***The sum of the current drawn from the BELL and AUX must be limited to 1.3A (40VA transformer strongly recommended). Exceeding this limit will overload the panel power supply and lead to complete system shutdown.***

⚠ ***When using an SP6000 panel in conjunction with an MG-RTX3, all MG32LED and MG10LEDV/H keypads must be versions 2.0 or higher.***

Magellan Keypad

For the keypad's zone configurations, refer to the **Installer Quick Menu**. If EOL is enabled: see section **[706]** option **[2]**. Also refer to Keypad Zone Connections on page 47.

⚠ ***This equipment must be installed and maintained by qualified service personnel only.***
For UL and C-UL warnings, refer to the UL and C-UL Warnings section at the back of the Reference & Installation Manual.