2.11 SP7000 PCB Layout

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 307USB Direct Connect Interface. See Connecting to WinLoad on page 60 for details.

Four pin connector can be used for quick installation of a SP7000 keypad.

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.

EBUS and Dialer used for VDMP3 plug-in voice module for voice reporting.

Paradox Memory Key (PMC-4, PMC5)

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

Refer to *AC Power & Backup Battery Connections on page 3.*

Upper Inputs = Zones 9 to 16
Lower Inputs = Zones 1 to 8

Disconnect telephone line before servicing.

RJ31X
CA 38A

Refer to Single Zone Inputs on page 13

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

Cold water pipe grounding

AWG#14 single conductor solid copper wire

To metallic enclosure

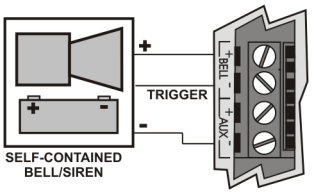
Ground clamp

AUX Power
Refer to transformer requirements on page 3 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.

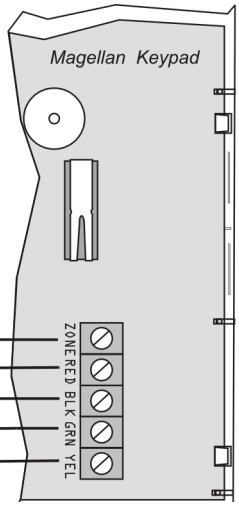
Max. amount of keypads = 15 keypads
Max. current = 700 mA
Max. distance of keypad from panel = 76m (250 feet)
Max. total run of wire = 230m (750 feet)

Connection for Self-Contained Bell/Siren



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.

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 13.



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 13.

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.