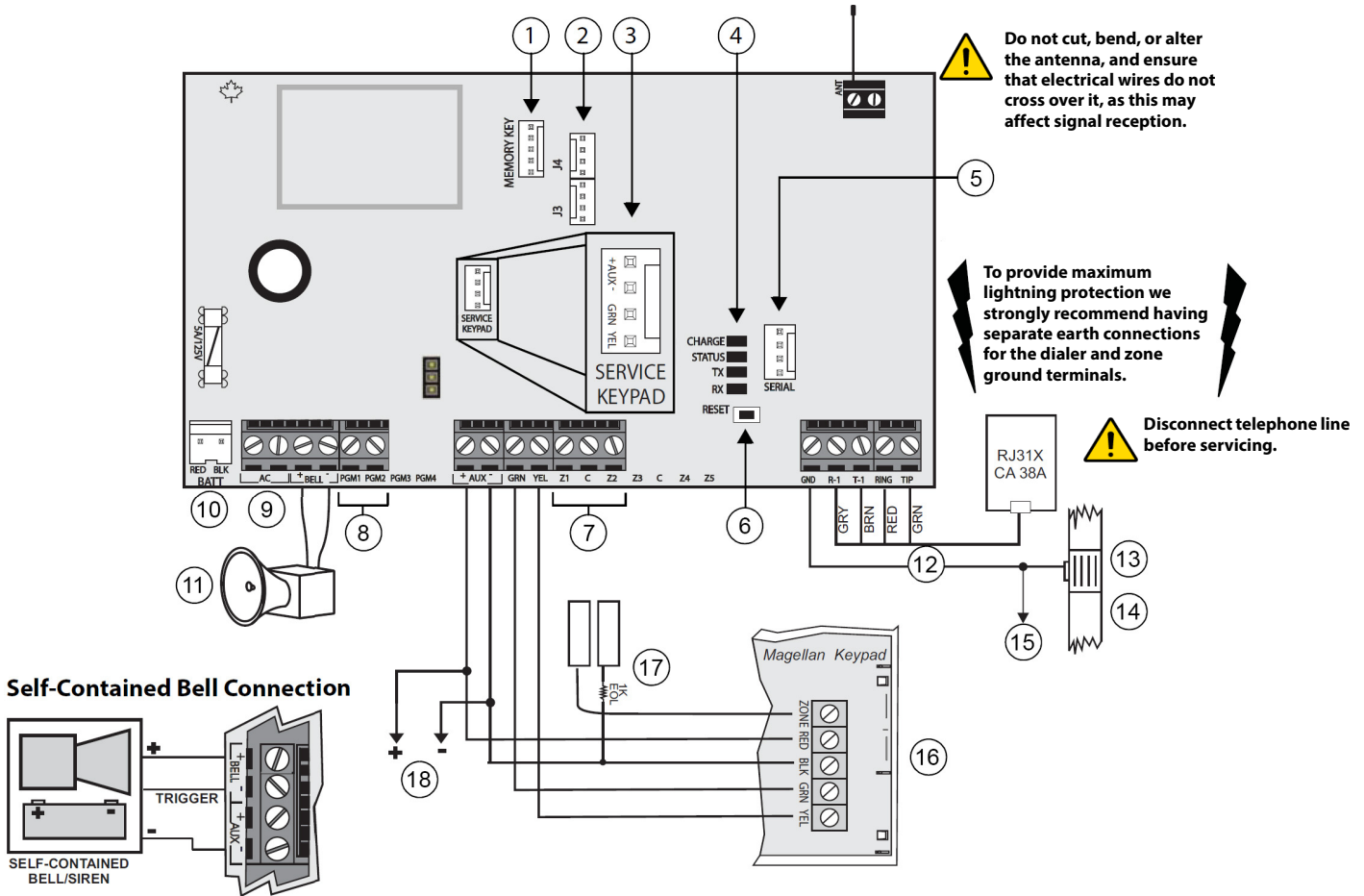


The following information may not be included in any manuals, therefore use this document in conjunction with the programming guide to program/connect your panel.

## MG5000 PCB Layout/Wiring Diagram



- |   |  |
|---|--|
| <p>1 Paradox Memory Key (PMC-4, PMC5)</p> <p>2 EBUS (J3) and Dialer (J4) used with:</p> <ul style="list-style-type: none"> <li>• VDMP3 Plug-in Voice Module for voice reporting</li> <li>• PCS Series GSM Communicator Module</li> </ul> <p>3 Four-pin connector can be used for quick installation of a keypad</p> <p>4 <b>LEDs</b></p> <p>Charge LED:</p> <ul style="list-style-type: none"> <li>• Charging and battery test</li> </ul> <p>Status LED:</p> <ul style="list-style-type: none"> <li>• Flash once every second: Normal</li> <li>• Flashes ON 1 sec. and OFF 1 sec.: Any trouble</li> <li>• Always ON: Panel is using phone line</li> <li>• Fast flash 6 seconds after power-up: Installer lock enabled</li> </ul> <p>RX &amp; TX LED:</p> <p>Flashes quickly when receiving or transmitting RF signals from wireless devices</p> <p>5 Serial: Used for connecting the IP Internet Module/PCS (Data); also used for In-Field Firmware upgrade through a 307USB Direct Connect Interface</p> | <p>6 Refer to <i>Panel Reset</i> on page 3</p> <p>7 Zone Input: Refer to <i>Hardware Connections</i> on page 59</p> <p>8 PGM Output: Refer to <i>Alarm Relay and PGM Connections</i> on page 60</p> <p>9 16.5 Vac (50 or 60 Hz), minimum 20 VA (40 VA recommended)</p> <p>10 Refer to <i>AC Power &amp; Backup Battery Connections</i> on page 60</p> <p>11 The <b>BELL</b> output will shutdown if the current exceeds 3A</p> <p>12 AWG #14 single conductor solid copper wire</p> <p>13 Ground clamp</p> <p>14 Cold water pipe grounding</p> <p>15 To metallic enclosure</p> <p>16 For the keypad's zone configurations, see <i>Installer Quick Menu</i> on page 7</p> <p>17 If EOL is enabled, see section [706] option 2, on page 38; for the keypad's zone configurations, see <i>Installer Quick Menu</i> on page 7</p> <p>18 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 shuts down, you must disconnect all loads from the output for at least 10 sec. before reconnecting any load back to the auxiliary output</p> |
|---|--|



**The sum of the current drawn from the BELL and AUX must be limited to 1.3A. Exceeding this limit will overload the panel power supply and lead to complete system shutdown.**

**40 VA transformer strongly recommended.**

**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 MGSP Reference & Installation Manual.**

- Max. number of keypads: 15 keypads**
- Max. aux. current: 700 mA**
- Max. distance of bus module from panel: 76 m (250 ft.)**
- Max. total run of wire: 230 m (750 ft.)**

