

## Quick Reference Terminal Description

## 14.0 Quick Reference Terminal Description

Terminal	Name	Description
1, 2	CLASS 2 TRANSFORMER	Connect 16.5 VAC, 40 VA transformer for primary power supply.
	+ AUX POWER	Supplies up to 1.4 A at 10.2 VDC to 13.9 VDC to powered devices. Use Terminal 9 for common. Shares PTC with Terminal 24.
4	BATTERY NEGATIVE ONLY	Connect rechargeable lead acid type battery's negative terminal (-) to Terminal 4. (See <i>Appendix D</i> to determine battery size requirements.)
5 (+)	BATTERY POSITIVE ONLY	Connect rechargeable lead acid type battery's positive terminal (+). (See <i>Appendix D</i> to determine battery size requirements.)
6 (+)	+ STEADY OR PULSED ALARM POWER	Supplies up to 2 A at 10.2 VDC to 13.9 VDC for steady or pulsed alarm output. Use Terminal 9 for common. Programmed as Relay A. Shares PTC with Terminals 7 and 8.
7 (+)	+ ALTERNATE ALARM POWER	Supplies up to 2 A at 10.2 VDC to 13.9 VDC for steady or pulsed alarm output. Use Terminal 9 for common. Programmed as Relay B. Shares PTC with Terminals 6 and 8. <b>D136 Plug-in Relay required:</b> Install a D136 in the ALT ALARM socket for output at Terminal 7.
8 (+)	+ SWITCHED AUX POWER	Supplies up to 1.4 A at 10.2 VDC to 13.9 VDC. Use Terminal 9 for common. Programmed as Relay C. Continuous output interrupted by RESET SENSORS or alarm verification. Shares PTC with Terminals 6 and 7. <b>D136 Plug-in Relay required:</b> Install a D136 in the SW AUX socket for output at Terminal 8.
9	COMMON	Terminal 9 is common for Auxiliary Power, Steady or Pulsed Alarm Power, Alternate Alarm Power, and Switched Aux Power (Terminals 3, 6, 7, and 8).
10	EARTH GROUND	Connect to earth ground. A cold water pipe or grounding rod is preferred. Do not connect to telephone or electrical ground.
11, 13, 14, 16, 17, 19, 20, 22	ON-BOARD POINTS (Inputs)	Connect normally open and/or normally closed detection devices to loop wiring. 1 kΩ resistor required at end of loop.
12, 15, 18, 21	ON-BOARD POINTS (Common)	Loop returns for on-board points.
23 (-) 24 (+)	ZONEX COMMON ZONEX POWER +	[D9412G only] Use Terminals 23 and 24 to power ZONEX modules such as the D8125 POPEX module, the D8128D OctoPOPIT, and the D8129 OctoRelay. Shares PTC with Terminal 3.
25 26	ZONEX IN 2 ZONEX OUT 2	[D9412G only] Connect ZONEX modules for Points 129 to 247 and Relays 65 to 128 to these terminals.
27 28	ZONEX IN 1 ZONEX OUT 1	Connect ZONEX modules for Points 9 to 127 and Relays 1 to 64 to these terminals. (The D7412G uses Points 9 to 75.)
29 (-)	COMMON	Common terminal for SDI devices.
30 31	DATA BUS B DATA BUS A	Terminals 30 and 31 are a two-wire bus that drives the command centers, printer interface, and access control modules.
32 (+)	POWER +	Power for SDI devices. This separate, protected power output for SDI devices is not affected by shorts on any other terminal.

Table 17: Quick Reference Terminal Description

Must Sync & this is 12v system. We usly 24v Systems