

terminals 'n functions

The OMNI 3000 is a multizone Control Panel and Digital Communicator. There is one (1) E.O.L. Supervised Fire Zone; one (1) Common Trouble Zone, and twelve (12) E.O.L. Supervised Programmable zones. The OMNI 3000 System is controlled by the OMNI 3000R four (4) wire keypad. A maximum of four keypads may be used in conjunction with this system. Each keypad has one (1) armed Led, three (3) yellow leds (AC, Fire Trouble and Low Battery) and twelve (12) green Leds which display loop status, bypass status, and alarm memory of zones one (1) through twelve (12). The OMNI 3000 System will store as many as eight (8) user arm/disarm codes, all of which can report separate opening and closing codes if necessary. Furthermore, these codes can be programmed to permit three (3) digit arming, but still maintain full code disarming. User code five (5) is programmable as a temporary arm/disarm code if desired. Lastly, all user codes will be stored in EEROM to PREVENT loss when and if there is a total system powerdown.

There are actually four (4) separate manuals which pertain to this system. XL2236 Hookup and Installation Manual, I-2276 which will explain all field wiring (keypad, loops, bells, phone lines, etc.) and Keypad Programming. XL1236 Programming Instruction I-2278 which explains all prom programming. XL1236 Advanced Communication Manual, I-2266 explains prom programming with reference to advanced dialer communications. The fourth and final manual I-2279 is an End User Guide designed to help the customer become familiar with this system.

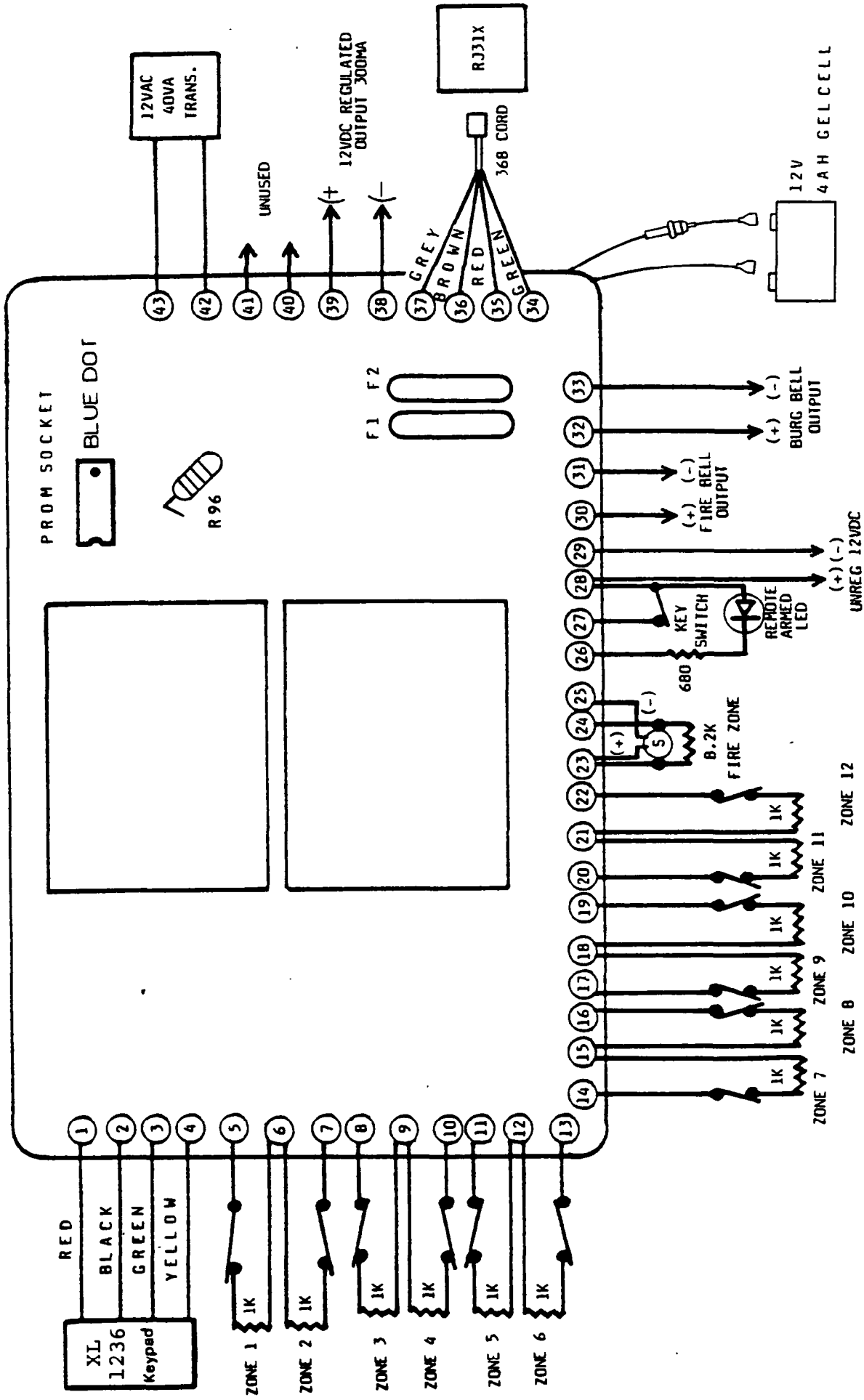
Terminals & Descriptions

Terminal	Description
1	RED
2	BLACK
3	GREEN
4	YELLOW
5&6 E.O.L. 1000 Ω	<p>E.O.L. Supervised Zone 1: Wire normally closed devices in series, and/or normally open devices in parallel with the 1000Ω E.O.L. resistor. Maximum loop resistance is 1250Ω <u>WITH</u> the E.O.L. resistor. Zone 1 can be programmed on the prom as a 24 HOUR ALARM ZONE, DELAY, INSTANT, OR AN INTERIOR ZONE.</p> <p>Interior zone operation is as follows: When the system is armed, if <u>EXIT DOES NOT</u> take place during Exit Time on any ONE of the zones which has been selected as a DELAY ZONE (example: stay home for the evening) the INTERIOR ZONE will be automatically bypassed. Secondly, when the system is armed and Exit <u>DOES</u> take place through a delay zone during Exit time, the <u>INTERIOR</u> zone will have Entrance delay if Re-entry is through any of the designated Delay zones. If Re-entry is through any circuit other than a Delay zone, INTERIOR will be instant.</p>

6&7 E.O.L. 1000 Ω	E.O.L. Supervised Zone 2: Wire normally closed devices in series and/or normally open devices in parallel with the 1000 Ω E.O.L. resistor. Maximum loop resistance is 1250 Ω <u>WITH</u> the E.O.L. resistor. Zone 2 can be programmed on the prom for the same options as zone 1 <u>OR</u> it may be programmed as a <u>24 HOUR TROUBLE ZONE</u> . When 24 hour trouble zones are violated they may have pulsed, steady, or silent sonalert outputs (sonalert in XL1236 keypad) and a dialer transmission if so programmed.
8&9 E.O.L. 1000 Ω	E.O.L. Supervised Zone 3: Same options and operation as zone 2.
9&10 E.O.L. 1000 Ω	E.O.L. Supervised Zone 4: Same options and operation as zone 2.
11&12 E.O.L. 1000 Ω	E.O.L. Supervised Zone 5: Same options and operation as zone 2.
12&13 E.O.L. 1000 Ω	E.O.L. Supervised Zone 6: This zone is prom programmable as an <u>INSTANT ZONE ONLY</u> . Wire normally closed derives in series and normally open derives in parallel with the 1000 r E.O.L. resistor.
14 & 15 E.O.L. 1000 Ω	<u>E.O.L. Supervised Zone 7</u> : Same wiring and operation as zone 6. This zone is prom programmable as an Instant zone <u>ONLY</u> .
15 & 16 E.O.L. 1000 Ω	<u>E.O.L. Supervised Zone 8</u> : Same wiring and operation as zone 6. This zone is prom programmable as an Instant zone <u>ONLY</u> .
17 & 18 E.O.L. 1000 Ω	<u>E.O.L. Supervised Zone 9</u> : Same wiring and operation as zone 6. This zone is prom programmable as an Instant zone <u>ONLY</u> .
18 & 19 E.O.L. 1000 Ω	<u>E.O.L. Supervised Zone 10</u> : Same wiring and operation as zone 6. This zone is prom programmable as an Instant zone <u>ONLY</u> .
20 & 21 E.O.L. 1000 Ω	<u>E.O.L. Supervised Zone 11</u> : Same wiring and operation as zone 6. This zone is prom programmable as an Instant zone <u>ONLY</u> .
21 & 22 E.O.L. 1000 Ω	E.O.L. Supervised Zone 12: Same wiring and operation as zone 6. This zone is prom programmable as an Instant zone <u>ONLY</u> .
23(+) & 25(-) Ω	Smoke Detector Power Terminals. Reset by momentary activation of XL1236 keypad <input type="checkbox"/> button.
23&24	E.O.L. Supervised Fire Zone. Wire normally open smoke detectors in parallel with these terminals. When the fire zone is violated it will trip the digital dialer and ring the burglary bell, <u>OR</u> the fire bell depending on how the prom is programmed. If this smoke detector loop is <u>OPEN</u> , a <u>COMMON TROUBLE ZONE</u> transmission will occur and the <u>FIRE TROUBLE LED</u> on the XL1236 keypad will turn <u>OFF</u> . The 8 2K E.O.L. resistor <u>MUST</u> be connected to these terminals whether the fire zone is used or not.
28(+) & 26(-)	Remote ARM STATUS LED terminals. Connect model 521M to these terminals, for Remote <u>ARM STATUS</u> Annunciation.
28&27	Remote Arming Terminals. Wire normally open <u>MOMENTARY</u> devices model 521M here to arm/disarm this system if desired. NOTE: These terminals may be used only in conjunction with <u>AT LEAST ONE</u> XL1236 Keypad.
28(+) & 29(-)	12VDC Unregulated Output. All devices which can be powered by unregulated DC voltage may be connected here.

30(+) & 31(-)	FIRE BELL OUTPUT: These terminals will deliver a constant DC output when the fire zone is violated if programmed to do so. Reset bell by momentarily depressing the XL1219R keypad [#] button.
32(+) & 33(-)	Burglary Bell Output: These terminals will deliver a constant or pulsing DC output depending on the prom programming. This Bell circuit may also be programmed to sound on Bell Test and/or Bell Ringback on successful closing report to the C.O.
34,35 36,37	<p>Telephone line connections for the XL1236 on-board digital dialer. Connect the Model #368 cord as follows: red-35, green-34, grey-37, brown-36 and plug the male connector into a RJ31X jack. The XL1236 has double pole line seizure. Before using the digital dialer, the telephone company shall be requested to install a USOCRJ31X jack on the telephone line. Give the telephone company the FCC registration (AE398E-69554AL-E) & the ringer equivalence (O.OB) numbers for the XL1236. Connect the XL1236 with an approved modular plug (#368) to mate with the RJ31X as shown on the following page.</p> <p>Should the XL1236 cause harm to the telephone network, the telephone company may temporarily discontinue service until the problem is corrected. Notice of such action will be given by the telephone company.</p> <p>Should the telephone company make any changes to its facility or other requirements that could render the XL1236 incompatible, the customer shall be given adequate notice by the telephone company, in writing. Upon receipt of this information from the customer, the manufacturer shall advise the customer as to what actions must be taken to maintain uninterrupted service.</p> <p>The Model XL1236 may not be connected to party lines or coin lines. If trouble is experienced, the XL1236 shall be disconnected from the phone line, by means of the plug shown to determine if the XL1236 is malfunctioning. If the XL1236 is malfunctioning, do not reconnect until the problem has been corrected. This control panel should not be used in conjunction with "call waiting" phone system.</p>
39(+) & 38(-)	12VDC Regulated Output. Less than 100mvpp ripple. 300ma current capability. These terminals can be used to power all devices such as motion detectors which need a constant 12VDC regulated output.
40 & 41	These terminals are not used at this time.
42&43	UL Listed 12V AC, 40VA (model 1282) transformer should be wired to these terminals and plugged into a 110VAC unswitched outlet. Use 16 gauge wire at no more than 15 feet. As long as AC is applied to these terminals the AC LED will be ON. If AC voltage is lost on this system for at least 90 seconds, the COMMON TROUBLE ZONE will transmit to the Central Office.

XL1236



F1 = 1 AMP BATT REVERSAL FUSE
F2 = 3 AMP BELL OUTPUT FUSE