



Advanced Life Safety SolutionsSM

MODEL ALC-H16

Hardwire Loop Controller Module

The **ALC-H16 Hardwire Loop Controller** module provides an interface in order to add 16 conventional adder boards. This board may be mounted over the main chassis of the FX-2000 Fire Alarm Panel or on any chassis which supports adder boards. Refer to **LT-657 (FX-2000 Installation & Operation Manual)** or the accompanying Installation Manual for the desired chassis. The module is mounted using four #6 screws and (if necessary) four 1 1/2" spacers.

POWER: The power is supplied to the board via cable from the main chassis board or from the previous loop controller module into the P1 Power IN connector. The P2 Power OUT connector is connected to the next loop controller module or other adder module. Two power cables are supplied with the module.

RS-485: The RS-485 cable comes attached at P3 and is connected to the main chassis board or from the previous loop controller module or other adder board. The RS-485 OUT at P4 is connected to the next loop controller module if used or left without connection.

DIP SWITCHES: The dip switches are used to set the address of the board. The address is binary, with the SW-1 switch as the lowest significant digit and OFF being active. For example an address of two is SW-1 ON, SW-2 OFF, and all the other dip switches SW-3 to SW-8 ON.

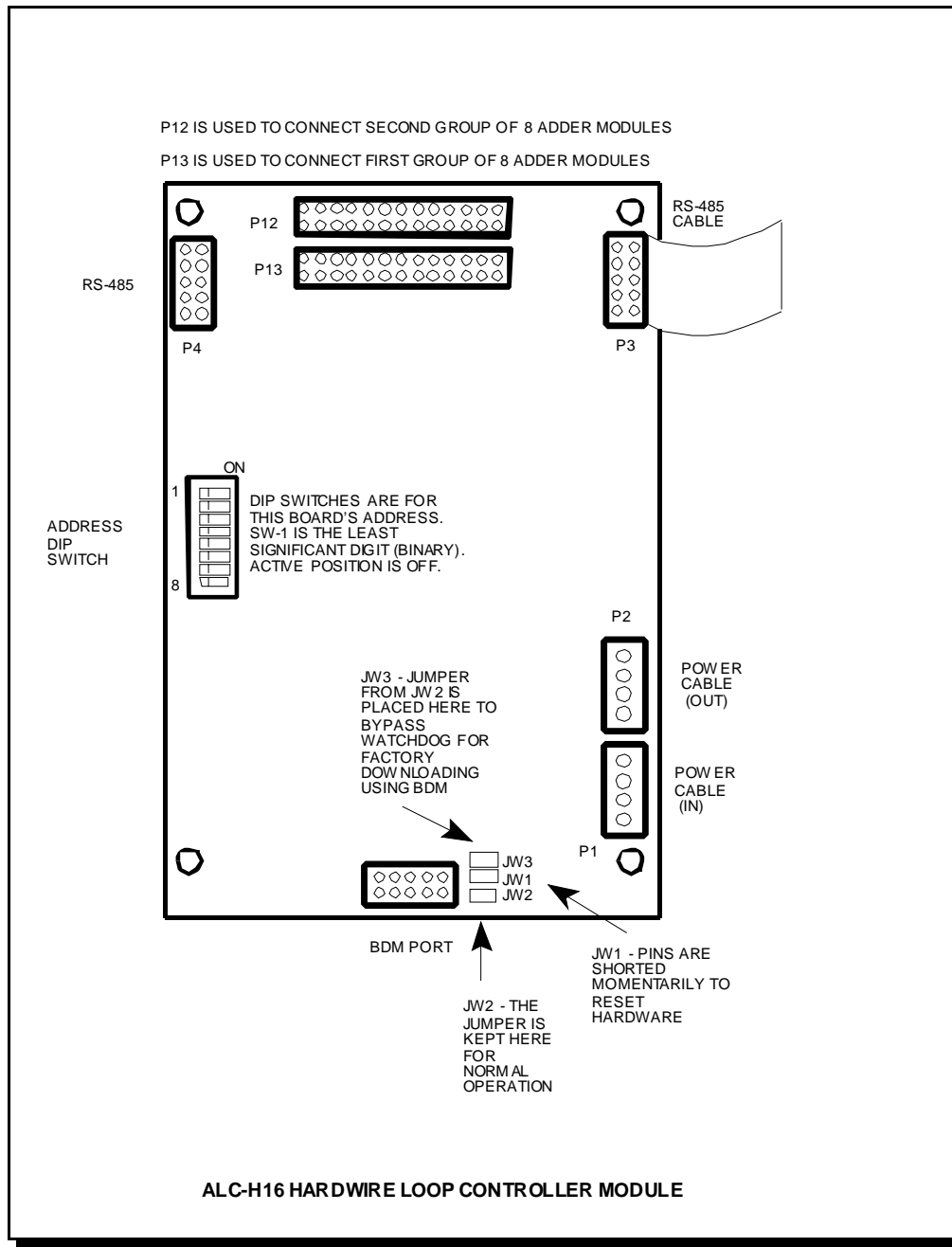
JUMPERS: A jumper is provided at JW2 for normal operation. To reset the board the jumper is left at JW2 and the pins at position JW1 are shorted momentarily.

BDM PORT: This connection is for Factory Use only.

P13 and P12 Connectors: The P13 connector is connected (via ribbon cable included with this module) to the first module of the first group of 8 conventional adder modules and the P12 connector is connected (via ribbon cable included with this module) to the first module of the second group of 8 conventional adder modules.

ALC-H16 ADDRESS DIP SWITCH SETTINGS								
ADDRESS	SW1-1	SW1-2	SW1-3	SW1-4	SW1-5	SW1-6	SW1-7	SW1-8
1	OFF	ON	ON	ON	ON	ON	ON	
2	ON	OFF	ON	ON	ON	ON	ON	
3	OFF	OFF	ON	ON	ON	ON	ON	
4	ON	ON	OFF	ON	ON	ON	ON	
5	OFF	ON	OFF	ON	ON	ON	ON	
6	ON	OFF	OFF	ON	ON	ON	ON	
7	OFF	OFF	OFF	ON	ON	ON	ON	
8	ON	ON	ON	OFF	ON	ON	ON	
9	OFF	ON	ON	OFF	ON	ON	ON	
10	ON	OFF	ON	OFF	ON	ON	ON	
11	OFF	OFF	ON	OFF	ON	ON	ON	
12	ON	ON	OFF	OFF	ON	ON	ON	
13	OFF	ON	OFF	OFF	ON	ON	ON	
14	ON	OFF	OFF	OFF	ON	ON	ON	
15	OFF	OFF	OFF	OFF	ON	ON	ON	
16	ON	ON	ON	ON	OFF	ON	ON	
17	OFF	ON	ON	ON	OFF	ON	ON	
18	ON	OFF	ON	ON	OFF	ON	ON	
19	OFF	OFF	ON	ON	OFF	ON	ON	
20	ON	ON	OFF	ON	OFF	ON	ON	
21	OFF	ON	OFF	ON	OFF	ON	ON	
22	ON	OFF	OFF	ON	OFF	ON	ON	
23	OFF	OFF	OFF	ON	OFF	ON	ON	
24	ON	ON	ON	OFF	OFF	ON	ON	
25	OFF	ON	ON	OFF	OFF	ON	ON	
26	ON	OFF	ON	OFF	OFF	ON	ON	
27	OFF	OFF	ON	OFF	OFF	ON	ON	
28	ON	ON	OFF	OFF	OFF	ON	ON	
29	OFF	ON	OFF	OFF	OFF	ON	ON	
30	ON	OFF	OFF	OFF	OFF	ON	ON	

Put in OFF position for firmware restore to defaults during power up. At ALL other times put in ON state.



There is no wiring at the ALC-H16 Hardwire Loop Controller module, but there is wiring at the 16 standard conventional adder modules. For conventional hardwire circuit wiring refer to LT-657.

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