4100 Graphic Drive Assemblies Installation Instructions

GENERAL

The Simplex 4100 Graphic Drive Assemblies allow a 4100 Fire Alarm Panel to control a remotely located graphic annunciator that includes:

Either LEDs or incandescent lamps for annunciation.
Either two-position or three-position switches for control.

INSTALLATION PROCEDURE

1. Using appropriate fasteners, mount the back box on the wall.

2. Using the hardware provided, mount the backplates into the back box (see Figure 1).

   - If the graphic drive assemblies include both LED/Switch Controllers and Graphic I/O Assemblies (see Figures 2 and 3), mount the backplate(s) containing the LED/Switch Controllers above the backplate(s) containing the I/O boards.

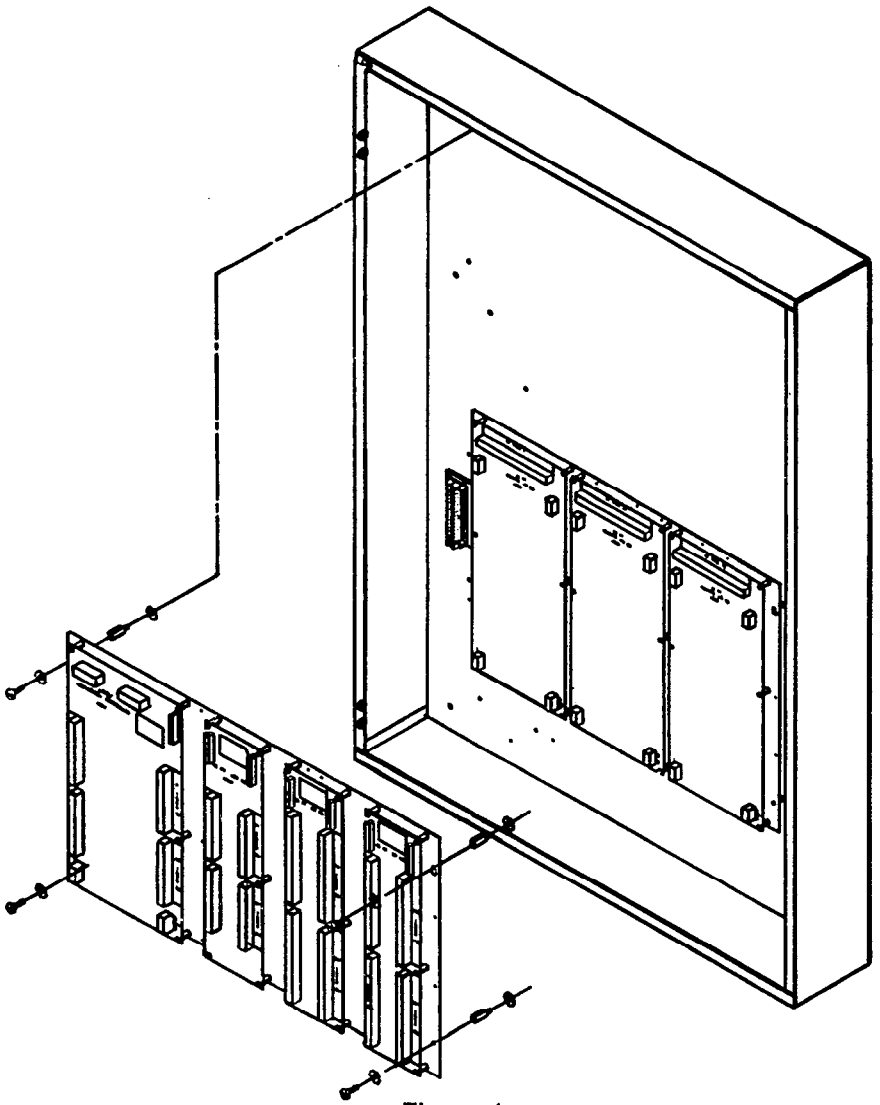
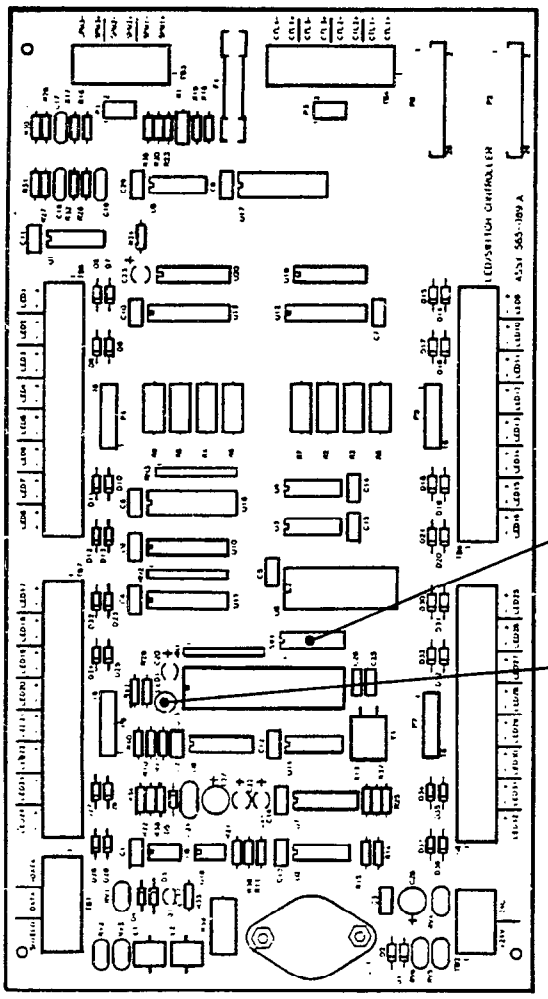
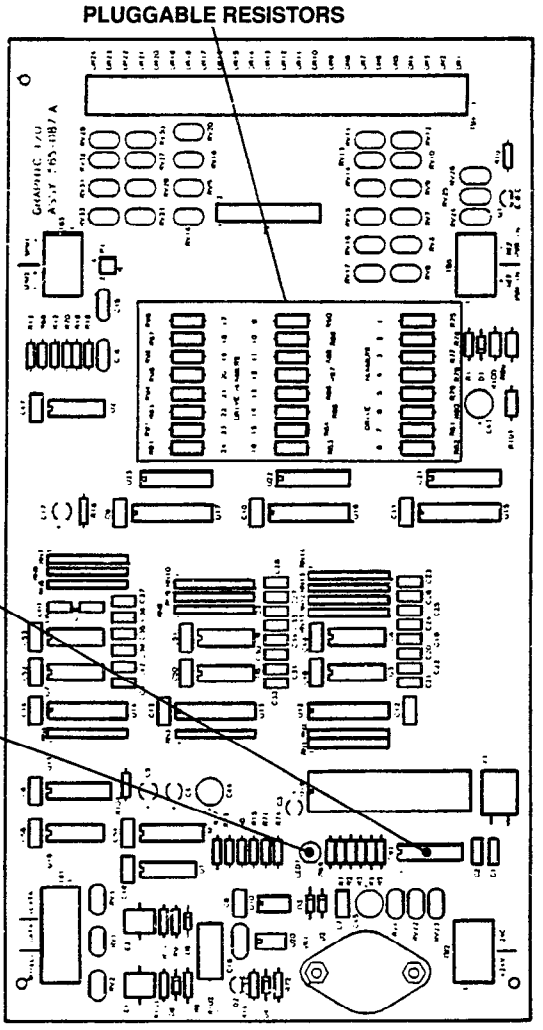


Figure 1



LED/Switch Controller Assy 565-089 (4100-7402)

Figure 2



Graphic I/O Assy 565-087 (4100-7401)

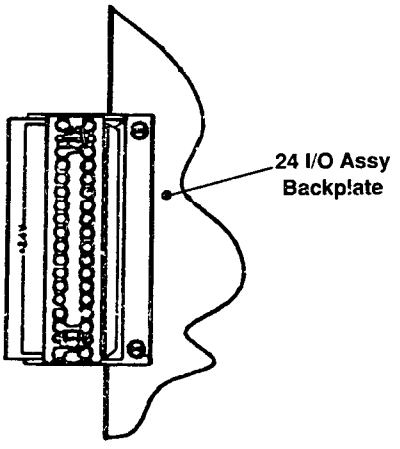
Figure 3

Note: LED1 illuminates when there is trouble associated with the board.

3. Connect field wiring to the various modules in accordance with Field Wiring Diagrams 841-802 (included in the shipping group).

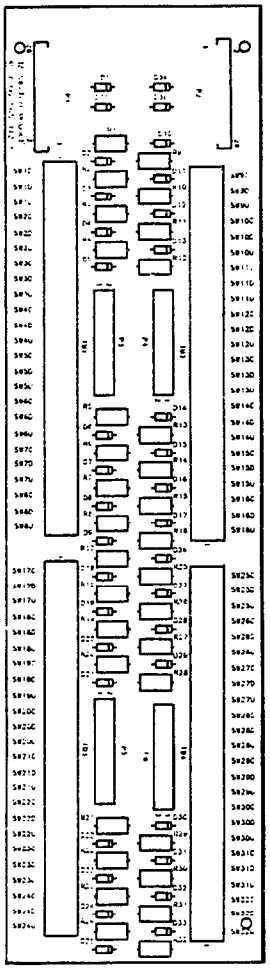
Note 1: If the shipping group includes a +24V Common Tie Point block (see Figure 4), the block mounts on the left end of a backplate containing Graphic I/O Assemblies.

Note 2: If a backplate contains two 32 Switch Module Assemblies (see Figure 5), the switch module closest to the LED/Switch Controller connects to points 65 through 96.



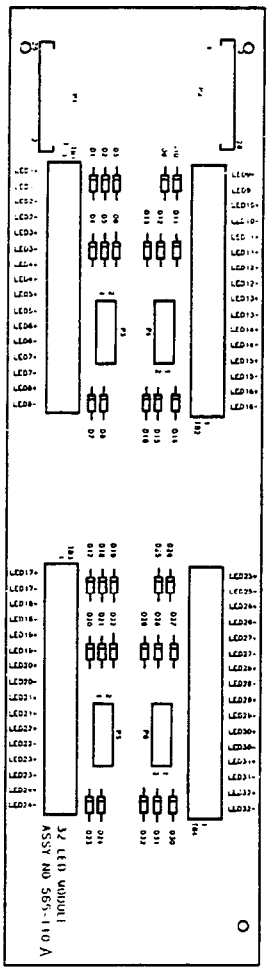
+24 Common Tie Point Block

Figure 4



32 Switch Module Assy No. 565-112 (4100-7404)

Figure 5



32 LED Module Assy No. 565-110 (4100-7403)

Figure 6

4. (See Figure 3) For each I/O point that provides lamp or LED output, replace its 2K, 1/2W pluggable resistor with a 20 Ohm, 1W resistor (part # 382-110).

   - The resistors are included in the shipping group.

5. (See Figures 2 and 3 for the switch package's location). Set the switches on switch package SW1 in accordance with the chart below:

Address switches — Valid Addresses = 1 through 119

SW1-1	SW1-2	SW1-3	SW1-4	SW1-5	SW1-6	SW1-7	SW1-8
BAUD RATE	MSB						LSB

Note: SW1-1 switch positions:
On = Left = 9600 baud, Off = Right = 1200 baud

SW1-2 through SW1-8 switch positions:
On = 0 = Left, Off = 1 = Right

Simplex