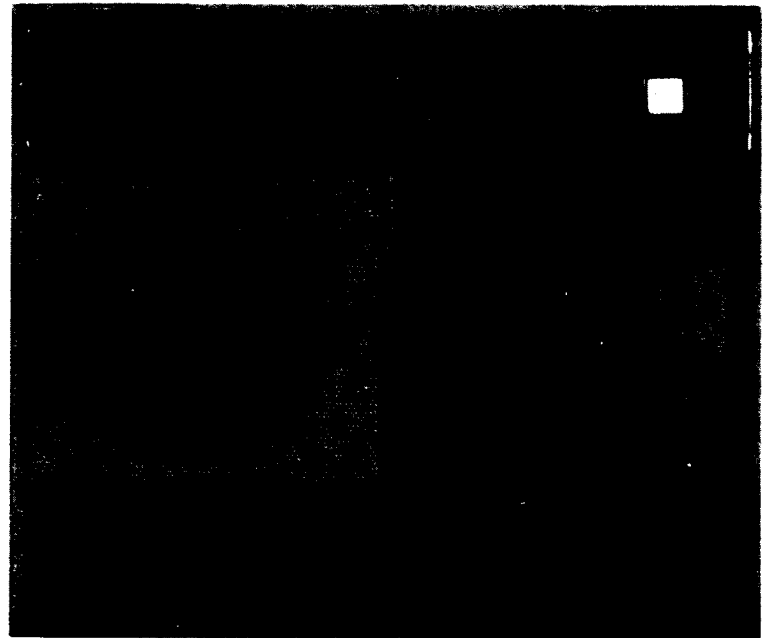
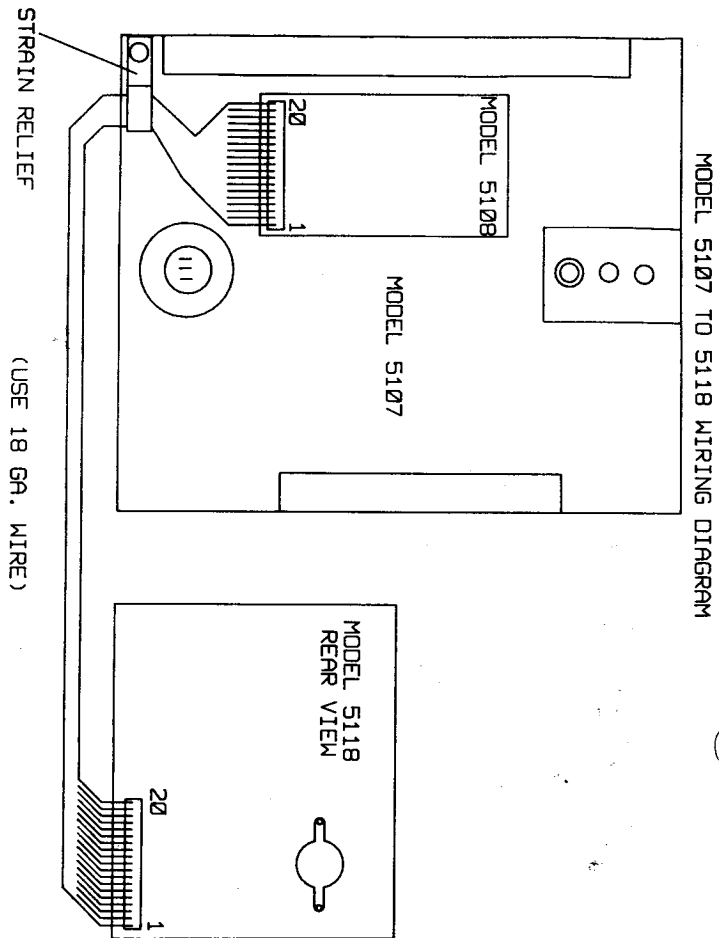


MODEL 5108/5118 ANNUNCIATOR

INSTALLATION MANUAL



P/N 150256 3/86



INTRODUCTION

The Model 5118 is an 8 zone annunciator panel designed to be used with the Model 5107 Fire Control/Communicator. It consists of two separate PC boards. The Model 5108 is the annunciator control board. It conveniently plugs into the Model 5107 control board.

NOTE: The Model 5108 only works with Model 5107 boards, Revision "H" or later. Boards that were manufactured before this revision, do not have the 16 pin annunciator control connector.

The Model 5118 is the 8 zone annunciator. It consists of 17 LED displays, a TROUBLE SILENCE pushbutton switch, and a TROUBLE ALERT buzzer. Eight of the red LED's indicate which zone is in ALARM, the 9th red LED indicates that the Trouble Buzzer has been Silenced. The 8 yellow LED's indicate which zone is currently in a Trouble condition. Up to 3 Model 5118 Annunciators can be used with the 5107.

The Model 5118 compliments the Model 5107 by indicating which zone is in ALARM or TROUBLE. Labels are provided with the Model 5118 Annunciator so that you can write or type in the exact location of each zone. This will help the Fire Department or Police immediately identify where the problem exists. The labels were designed to be placed on the 5118.

MODEL 5108 MOUNTING INSTRUCTIONS

CAUTION: All power should be removed from the 5107 before connecting the 5108 and 5118.

As mentioned before, the Model 5108 plugs directly into the Model 5107 control board via the 16 pin connector and three plastic stand-offs (mounted on the 5108 at the factory).

When inserting the pins into the socket on the 5107, carefully align the pins to the socket such that the pins will not get bent. Apply even pressure to the 5108 when installing it on the 5107. Be careful not to flex the board as this may cause the foils to crack thus causing improper operation.

MODEL 5118 MOUNTING INSTRUCTIONS

Figure 1 shows a side view of a wall mount installation. For U.L. Listed installations, the 5118 MUST be mounted on a Dual Gang Electrical Box. Holes are provided in the back frame for this type of mounting.

NOTE: Pigtails with 18 GA wire are provided on both the 5108 and the 5118. When the two boards are connected, 18 GA or larger wire must be used. Run the wiring from the 5108 to the 5118 before mounting the plastic housing. When connecting the two PC boards, be sure that pin 1 on the 5108 goes to pin 1 on the 5118 and so on. (See Figure 3 for location of pin 1 on the 5108 and 5118) When doing this, the connector on the 5118 should be removed taking careful note of the location of pin 1 so that the connector may be replaced exactly as it was removed. When all of the connections have been made, the metal back frame should be installed using four #8 X 1-1/4 pan head screws and #8 wall anchors (not provided). Figure 2 shows a front view of the back frame and the location of the hole to run the connecting wires. If the 5118 is to be mounted on a wood surface, a different type of mounting screw may be necessary.

Turn the two set screws out on the 5118 until they are flush with the inside of the frame. Reconnect the pigtail to the 5118 PC board taking note of the location of pin 1.

Place the top of the 5118 housing over the top tabs on the back frame. Press forward and slightly down on the housing until it is flush with the wall.

Tighten the set screws until they are snug. (DO NOT overtighten)

Apply power to the 5107.

NOTE: Upon initial power up, the 5118 may show that random zones are in ALARM or Trouble. Press the reset on the Model 5107 to clear this situation.

OPERATION

Whenever the 5107 detects an ALARM or TROUBLE, the LED's on the 5118 will indicate ALARM or TROUBLE and also show which zone(s) is involved. If a TROUBLE condition is indicated, the buzzer will sound on the 5107 and the 5118. The Buzzers may be silenced by pressing the SILENCE TROUBLE (Reset) switch located on the 5107 or the 5118. When the SILENCE switch is pressed, the red SILENCED LED will turn ON to indicate that the audible tone has been disabled but the trouble condition still exists (the TROUBLE SILENCED LED and the TROUBLE LED will remain ON until the Trouble condition has been corrected).

If an ALARM is activated, the corresponding LED will turn ON. It will remain ON until the zone has been cleared and the RESET on the 5107 has been pressed.

FIGURE 1

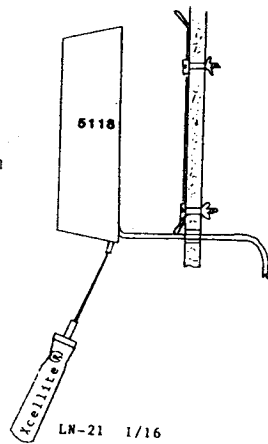


FIGURE 2

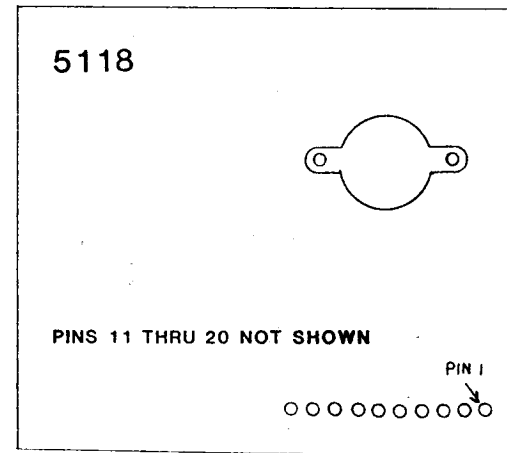
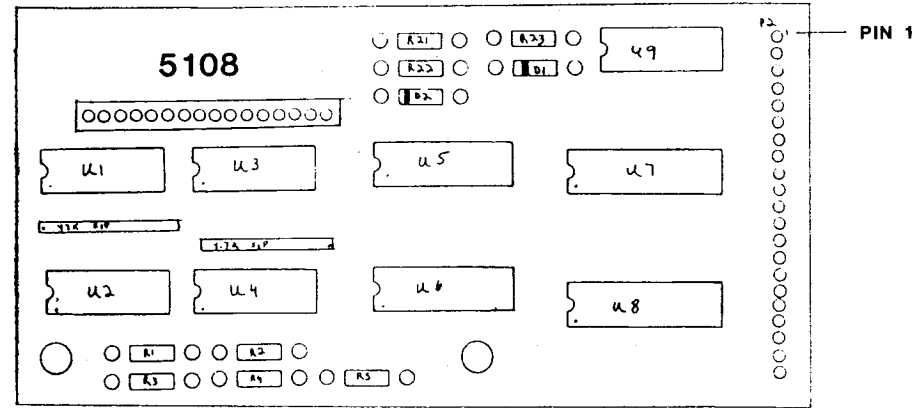
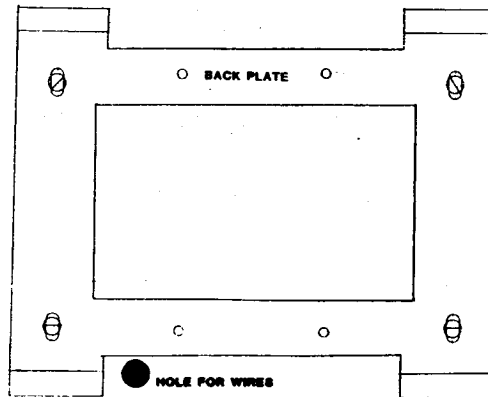


FIGURE 3

FIELD TEST PROCEDURE

The 5118 can be tested by violating a zone on the 5107 or simulating a trouble condition. This is the only way to test the 5108 and it should be done upon installation.

If the 5118 fails to operate properly, check all of the connections to the 5108 and to the 5107. If a problem still exists, contact the Silent Knight Customer Service Department at 1-800-328-0103.

CURRENT SPECIFICATIONS

Model 5107 Standby Current = 130 ma.
W/Annunciator = 131 ma.

Model 5107 Full Load Current = 2.4 A.
W/Annunciator = 2.47 A.

PIN DESCRIPTIONS

MODEL 5108 CONNECTOR P1

<u>PIN #</u>	<u>DESCRIPTION</u>
1	Silence (from 5107)
2	Zone 1 Input
3	Zone 2 Input
4	Zone 3 Input
5	Zone 4 Input
6	Zone 5 Input
7	Zone 6 Input
8	Zone 7 Input
9	Zone 8 Input
10	Alarm (from 5107)
11	Trouble Buzzer Input
12	Trouble Silenced LED
13	Trbl. Sil. (to 5107)
14	+12 VDC Fused
15	+5 VDC
16	Circuit Ground

MODEL 5108 CONNECTOR P2

<u>PIN #</u>	<u>DESCRIPTION</u>
1	Zone 1 Alarm Output
2	Zone 1 Trouble Output
3	Zone 2 Alarm Output
4	Zone 2 Trouble Output
5	Zone 3 Alarm Output
6	Zone 3 Trouble Output
7	Zone 4 Alarm Output

8	Zone 4 Trouble Output
9	Zone 5 Alarm Output
10	Zone 5 Trouble Output
11	Zone 6 Alarm Output
12	Zone 6 Trouble Output
13	Zone 7 Alarm Output
14	Zone 7 Trouble Output
15	Zone 8 Alarm Output
16	Zone 8 Trouble Output
17	+12 VDC Fused
18	Silenced LED Output
19	Trouble Buzzer Output
20	Trouble Silenced Input

MODEL 5118 CONNECTOR P1

Connector P1 on the Model 5118 is the same as connector P2 on the Model 5108 except that the outputs on the 5108 are inputs on the Model 5118.

IMPORTANT: Silent Knight products should be tested every month (under no circumstances less than every three months) to insure complete and proper operation and proper input and output connections.

LIMITED WARRANTY

Silent Knight Security Systems warrants that the products of its manufacture shall be free from defects in materials or workmanship for one year from the date of invoice if such goods have been properly installed, are subject to normal proper use, and have not been modified in any manner whatsoever. Upon return of the defective product to the nearest Silent Knight dealer, Silent Knight will, at its sole discretion, either repair or replace, at no cost to the customer, such goods as may be of defective material or workmanship. Customers outside the United States are to return products to their distributor for repair.

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