

MODEL 3120

INSTALLATION INSTRUCTIONS

IMPORTANT: Read Instructions Completely Before Beginning Installation.

INSTALLATION

1. Cut a hole in the wall 4" high and 8 $\frac{1}{4}$ " wide at the desired location, making sure that an AC power source is accessible.
2. Set the 4 option switches for desired selections:
 - A. For automatic reset and shut-down on all channels—Switch 1 OPEN. No channels to reset or shut-down, Switch 1 CLOSED. Reset Shutdown time is 5 minutes.
Entry/Exit Delay Options
 - B. Switch 2 Open, Switch 3 Open - 15 second delay
Switch 2 Closed, Switch 3 Open - 30 second delay
Switch 2 Open, Switch 3 Closed - 60 second delay
 - C. For a silent Emergency alarm, Switch 4 Closed.
3. Connect normally-open intrusion circuit to terminals 3 and 4, and normally-closed circuit to 4 and 5. NOTE: If normally-closed circuit is not used, jumper 4 and 5 together.
4. Connect normally-open heat/fire sensors to terminals 6 and 10. NOTE: The fire circuit is supervised by an end-of-line resistor which should be wired across the last sensor in the loop. If the fire loop is not used, the resistor (15k, 2w) must be connected across 6 and 10. If a smoke detector is used (Such as the Silent Knight 7610) power is available at terminals 10 (12VDC \pm) and 3 (negative ground). See installation diagram.
5. Before proceeding, be sure none of the inputs are in an alarm state.

6. Connect the 14 VAC from the transformer to terminals 1 and 2. In areas where transient energy or lightning damage is likely, it is **IMPORTANT** that the Model 7891 Suppressor be used with the transformer.
7. Connect the rechargeable battery (Model 6712), if used. **IMPORTANT**—Connect red wire to positive (+) terminal; black wire to negative (-). **IF WIRES ARE IMPROPERLY CONNECTED, PERMANENT DAMAGE TO THE SYSTEM WILL RESULT!**

OPERATION

Programming

1. After power is applied to the system, the green "Ready" light will begin to blink, indicating that you have 60 seconds to program the On/Off combination. (The On/Off combination controls the Intrusion channel only; Fire and Emergency are always active). **NOTE: SEE OWNERS MANUAL FOR PROGRAMMING INSTRUCTIONS.** NOTE: If the arm/disarm code is not entered the systems automatically programs the "Default Code" (Digit "5" Arm, Digit 1-2-3-4 Disarm) the system will also attempt to arm; if it cannot arm because the Intrusion input is active, it will automatically go into alarm.

Resetting

1. To reset the system (to re-program combination or re-set smoke detectors) depress the 7 and 9 pads simultaneously. The system will not reset while armed or in alarm.

Entrance/Exit Delay

1. During the entrance delay, a warning tone will be heard prior to the alarm.
2. Depressing the "Instant" switch will alternately switch the intrusion circuit between "Instant" and "Delay". An LED indicator gives the Instant status.

Intrusion, Emergency

1. These switches must be depressed for one full second to activate.

Entrance/Exit Delay (Con't)

"Ready"

1. The ready light indicates the intrusion circuit status (or means circuits closed). The ready light blinking indicates the memory is waiting to be programmed. (On/Off combination)

Restoring

1. To restore the system after an alarm activation, enter the disarm code. The system will not restore if an alarm condition is present. NOTE: Only non-latching smoke detectors should be used, such as the Silent Knight Model 7610.

Digital Communicator (Optional)

The 3220 has voltage outputs to activate the Silent Knight 1300, 1350, 1400 or 1450 digital communicators. Connect Terminals as follows:

Model 3120		1300	1350	1400	1450
10 (12VDC)	To	5	1	3	1
3 (GND)	To	4	2	2	2
7 (INT)	To	6 & 7	3 & 4	4 & 5	3 & 4
8 (FIRE)	To	8	6	6	6
9 (EMER)	To	9	9 & 10	7	9 & 10

3120 CONNECTIONS

