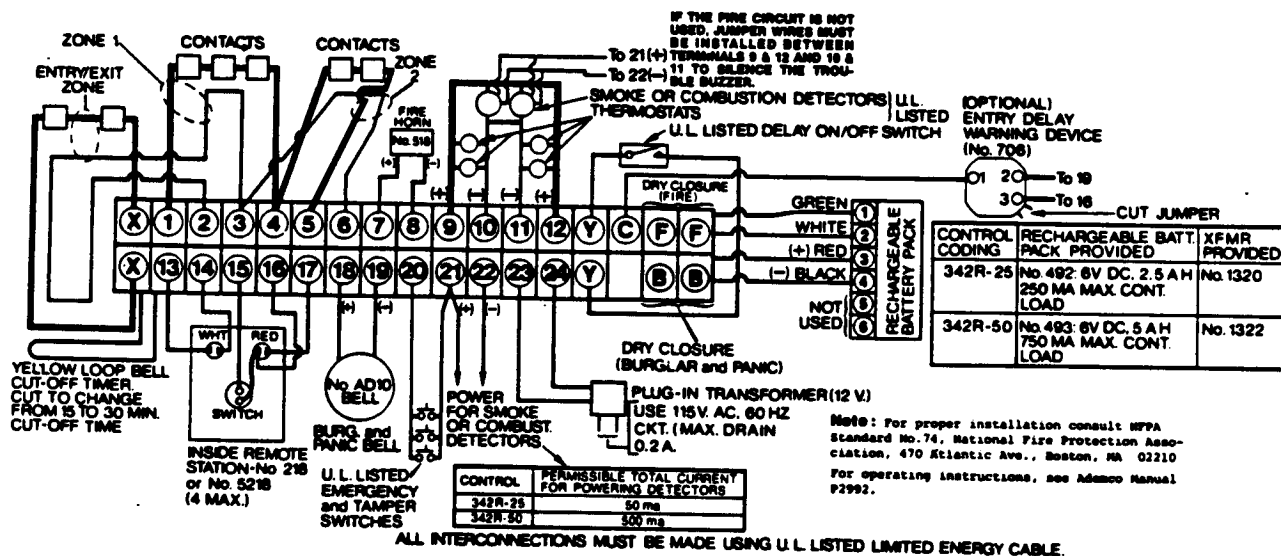


# No. 342R COMBINATION ALARM SYSTEM



## WIRING INSTRUCTIONS:

### TERMINALS:

- |                        |   |   |
|------------------------|---|---|
| 1, 2, 3 & 4            | <u>BURGLAR ALARM CIRCUIT Zone 1</u>   | <p>If a short circuit develops in either Zone 1 or Zone 2, a short circuit lamp, (Ademco No. 47), visible on the left hand side of the panel, will light. To test lamp, short terminals 3 and 4.</p> <p>Note: If lamp is burned out, panel will not arm (WHITE lamps on remote stations won't light).</p> |
| 3, 4, 5 & 6            | <u>BURGLAR ALARM CIRCUIT Zone 2</u>   |   |
| 7 & 8;<br>18 & 19      | <u>INDICATING DEVICE CIRCUITS</u> , 6 V.DC, 3 amps, non-supervised. Put no more than 3 amp maximum draw on both circuits combined.  |   |
| 9, 10, 11<br>12        | <u>FIRE ALARM CIRCUIT</u> , 6 V.DC, 1 amp, 10 ohms max. impedance. Supervised. Connect to U.L. Listed thermostats, smoke or products of combustion detectors. Note the limitations given above on the number of smoke or combustion detectors that may be used. <u>POLARITY MUST BE OBSERVED.</u> Note: NFPA Std. No. 74 requires the use of at least one smoke detector in every residential installation. |   |
| 13, 14, 15,<br>16 & 17 | <u>REMOTE STATIONS</u> Inside remote stations are wired in parallel to terminals 13, 14, 15, 16 & 17. A maximum of 4 inside remotes can be used.  |   |
| 20 & 21                | <u>PANIC AND TAMPER CIRCUIT</u> Wire as shown using U.L. Listed, normally open, momentary contact switches. Attach a last switch at the end of the circuit near the control box. This is used as a test switch as well as an emergency button.  |   |
| 21 & 22                | <u>AUXILIARY SUPPLY CIRCUIT</u> , for powering smoke or products of combustion detectors, with capacity of 6 V.DC, 50 MA max. with use of No. 492 Battery Pack and 6 V.DC, 500 MA max. with No. 493 Battery Pack.   |   |
| 23 & 24                | <u>MAIN SUPPLY CIRCUIT</u> Connect Plug-In Transformer as shown using no more than 25 ft. of U.L. Listed 18 AWG wire. Plug transformer into 115 V.AC 60 HZ, 0.2 amp, 24 hour outlet <u>not controlled by a switch.</u>  |   |

RD, BLK, GR & WH (Leads)	RECHARGEABLE POWER SUPPLY Connect as shown. Red (+) to 3, Black (-) to 4, Green to 1 and White to 2. <u>Note:</u> Proper operation of the system depends upon the completion of these connections.
B, B	<u>DRY CLOSURE</u> across these terminals whenever <u>burglar or panic circuit</u> is activated. (rating: 3A, 28V).
F, F	<u>DRY CLOSURE</u> across these terminals whenever <u>fire circuit</u> is activated. (rating: 3A, 28V).
X & X	<u>ENTRY/EXIT DELAY</u> Wire entry/exit doors as shown. To set delay time, turn both delay wheels (left side of panel) to extreme left. Turn entry wheel (top wheel) half way to right and turn remote to red light. Wait 20 seconds and open entry/exit door. Note length of time before signalling devices sound. If this entry delay time requires adjustment, turn entry wheel and repeat as above. To set exit delay, turn exit wheel (lower wheel) half way to right. Turn remote to red light and make note of time. Open entry/exit door (leave open) and stop timing when alarm sounds. Subtract entry time set previously. Remainder is exit time. Readjust, if required, as above.
Y & Y	<u>DELAY ON/OFF SWITCH</u> A U.L. Listed switch can be used to turn the entry/exit delay on and off. Wire this switch to terminals Y and Y of the No. 342R. With the switch "ON" (closed), the delay is eliminated.
C, 16 & 19	<u>ENTRY DELAY WARNING DEVICE</u> Ademco's No. 706 Mini-Howler may be used to warn the user that the entry delay has been activated. Connect terminals 1, 2 (-), and 3 (+) of the No. 706 to terminals C, 19 (-) and 16 (+) respectively of the No. 342R. Cut the jumper wire on the No. 706.
Yellow Wire	Burglar signalling circuit is preset to shut off after 15 minutes. Time may be increased to 30 minutes by cutting the yellow loop of wire at the bottom left of panel.
No. 334 Pulser Module	When using the No. 334, only one inside warning device is required. The No. 334 provides for two different sounds from one signalling device. This unit must be mounted inside the control cabinet.

#### INSTALLATION NOTES:

If the entry delay is set for under 15 seconds, a standard No. 218 or 5218 inside remote station can be used. However, should the entry delay time exceed 15 seconds, a U.L. Listed, normally closed tamper switch (Ademco P2009) must be used to protect the remote control station against tampering. This tamper is wired into the panic loop which starts out on terminals 20 and 21 in the control and ends at a test switch located near the control unit.

Installation procedure for the remote control station tamper switch:

- 1) Cut approximately a 2" diameter hole to mount the remote control station to the wall. Drill a 1/2" hole approximately 3/8" away from the larger one and located at approximately "11 o'clock".
- 2) Wire the contacts of a threaded, U.L. Listed, normally closed, momentary switch, such as the Ademco No. P2009, into the emergency circuit the same way you would wire an "emergency button" (see Installation instructions for terminals 20, 21).
- 3) Push it through the 1/2" hole from the inside of the wall so that the push button

is sticking out. Securely attach this switch to the wall using the hex nut and a fender washer (1/2" ID 1-1/2" OD) before attempting to mount the remote control station.

4) The remote control station can now be wired and attached to the wall.

Battery Capacity for Emergency Standby: At least 6 hours. Total current drain of connected smoke or combustion detectors must not exceed permissible values given in table above.

Light on Panel indicates AC power is connected. Loss of light indicates that system is operating from standby power.

Fire Test Switch on panel tests fire circuit and standby power. Light on panel will be OFF during this test.