

**FIRE BURGLARY INSTRUMENTS, INC.**

50 Engineers Road, Hauppauge, New York 11787 • 516-582-6181

1270/1270F INSTRUCTIONS

Terminals 1-2	12VAC Input: connect 1271 transformer (supplied) to 24 hour power outlet. Wire output of transformer to 1 & 2.
Terminals 3-4	Remote Day Indicator - LED indication-day loop bypass
Terminals 4-10	Day Loop - closed protective circuit. May be bypassed using day bypass switch in control panel. An open on this loop will be indicated by the day sonalert.
Terminals 5-6	Instant Loop - closed protective circuit - this circuit is not bypassable using day bypass switch.
Terminals 6-8	Instant Loop - open protective circuit (mats etc).
Terminals 7-8	Delay loop - wire closed delay circuit to these terminals.
Terminal 12 Green Wire Secondary Circuit "Back-up Protection"	Open circuit devices in parallel active only after instant loop is tripped and remains open with bell cut-off. Use for interior protection.
Terminal 10- white wire	Sonalert - early warning indication for entrance-exit circuit - This sonalert will also indicate an open in the day loop.
Terminals 9-10	Fire Horn - only active when fire option #1233 is used 9 (+) 10 (-).
Terminals 11-12	Spring loaded open key switch or open circuit push button (momentary closure) - used to switch unit on and off. This switch will also reset a panic alarm, by pressing the switch twice.
Terminals 12-13 (+) (-)	Green LED circuit: loop indicator - LED ON indicates open loop. Use LED remotes only (Models 501L, 501LW, and 521D)
Terminals 12-19	24 hour panic circuit: open circuit - a closure will cause burglary bell to ring.
Terminals 14-21 (+) (-)	Red LED circuit: indicates status of system. Red LED ON indicates system is armed. Use LED remotes only (Models 501L or 501LW)
Terminals 15-16	Burglary bell output. 15 (-) 16 (+)
Terminals 10-20 (-) (+)	Smoke detector output - continuous voltage for powering smoke detectors - may be reset using normally closed fire reset button wired to terminal 20 and yellow wire.
Terminals 17-18	Open circuit contact that closes when burglary or panic circuit is tripped. Can be used for dialer, siren or any electrical circuit up to 3 amps.

REMEMBER ... "WE DO WHAT THEY DON'T"

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Terminals 20-22	Supervised Fire Circuit: (use with Endline Resistor - 8.2K) active only when fire option #1233 is used. A closure on this circuit will cause spare contacts 23 & 24 to close. A voltage will appear on terminals 9 & 10.
Terminals 20 - yellow wire	Remote Fire Reset: Wire a normally closed push button (#666) to these terminals. An opening of this circuit will cause the fire circuit, fire horn, and/or smoke detectors to reset.
Terminals 23-24	Open circuit contact that closes when fire circuit is tripped can be used for dialer, siren or any electrical circuit up to 3 amps.
Terminals 10-12	Continuous 12 volt power 12 (+) 10 (-).
Loose Wires:	<u>Red & Black Wires</u> <u>Dry cell operation: CUT JUMPER J3 & J4</u> <u>Red</u> - connect to positive of dry cell battery <u>Black</u> - connect to negative of dry cell battery <u>Rechargeable Cell operation: DO NOT CUT JUMPER J3 & J4</u> <u>Red</u> - connect to positive of rechargeable battery (use snap on clip) <u>Black</u> - connect to negative of rechargeable battery (use snap on clip)
Panel Switches:	<u>Home - Away:</u> 1. With the switch in the home position, the delay circuit(s) will now act as an instant circuit. With the unit armed, any violation of the delay circuit will trip the alarm instantly. 2. With the switch in the away position, the delay circuit(s) will act as a delay circuit. When the system is armed you now have the set times for exiting and entering. <u>Day Bypass:</u> With the switch in the bypass position the day loop may be opened without the day sonalert sounding. An indication of the bypass will be available on terminals 3 & 4 to light the remote day indicator.

NOTE: When using a two channel siren driver, put a jumper between terminals 16 and 17. Take the positive voltage for Burglary from terminal 18. Dialer may be tripped by wet contact such as 18 on 1270 to 5 on 100 and 9 on 1270 to 3 on 100.

Ex: 672

1270	18	10	9
672	1	2	3

Exit Entrance Adjustment Procedure:

- Turn exit pot towards the top of board.
- Turn entrance pot towards the bottom of board.
- Test delay loop by putting a viltmeter or sonalert on terminal 10 and white wire. Close both the portective and delay loops and set the system to the "armed" condition. Now open delay door or remove connection to terminal 7. 10-15 volts should appear on terminal 10 and white wire or the sonalert should sound. Then close delay door sonalert should continue to sound. This indicates that the delay loop is operating properly.
- Exit time is set for the desired delay period by turning the pot towards the bottom of the board. A $\frac{1}{4}$ turn of the pot will yield about 20-30 seconds. Start timing the exit delay as soon as the system is "armed". Now open the delay door or remove the connection to terminal 7. Once again wait for 10-15 volts to appear on terminal 10 and the white wire or the sonalert to sound. This procedure is the exit time. Should more time be required, repeat this procedure.

5. Entrance time: From the time the sonalert comes on or 10-15 volts appear on terminal 10 and the white wire to the time the bell rings is the entrance time. With the pot turned towards the bottom of the board the entrance time is set to maximum. To decrease the time turn the pot towards the top of the board.

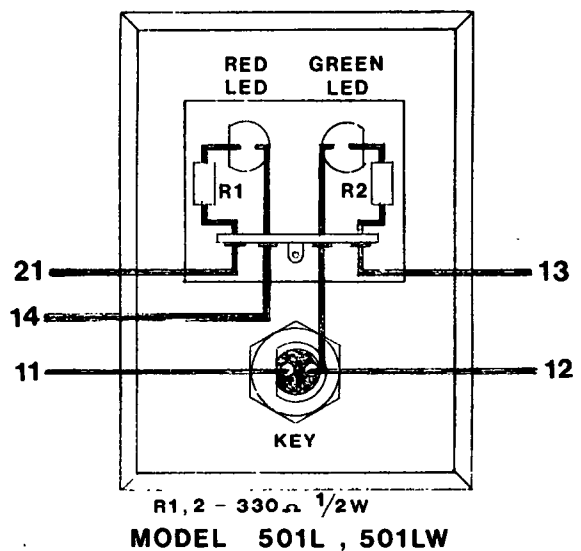
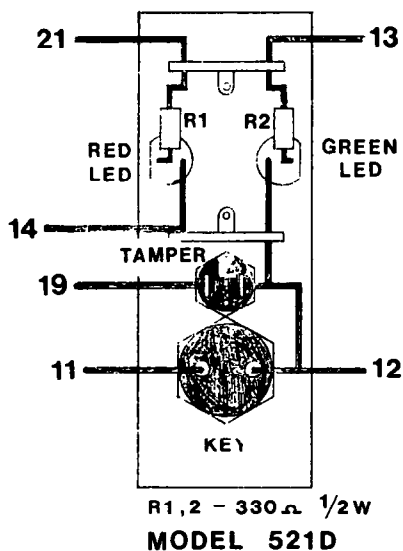
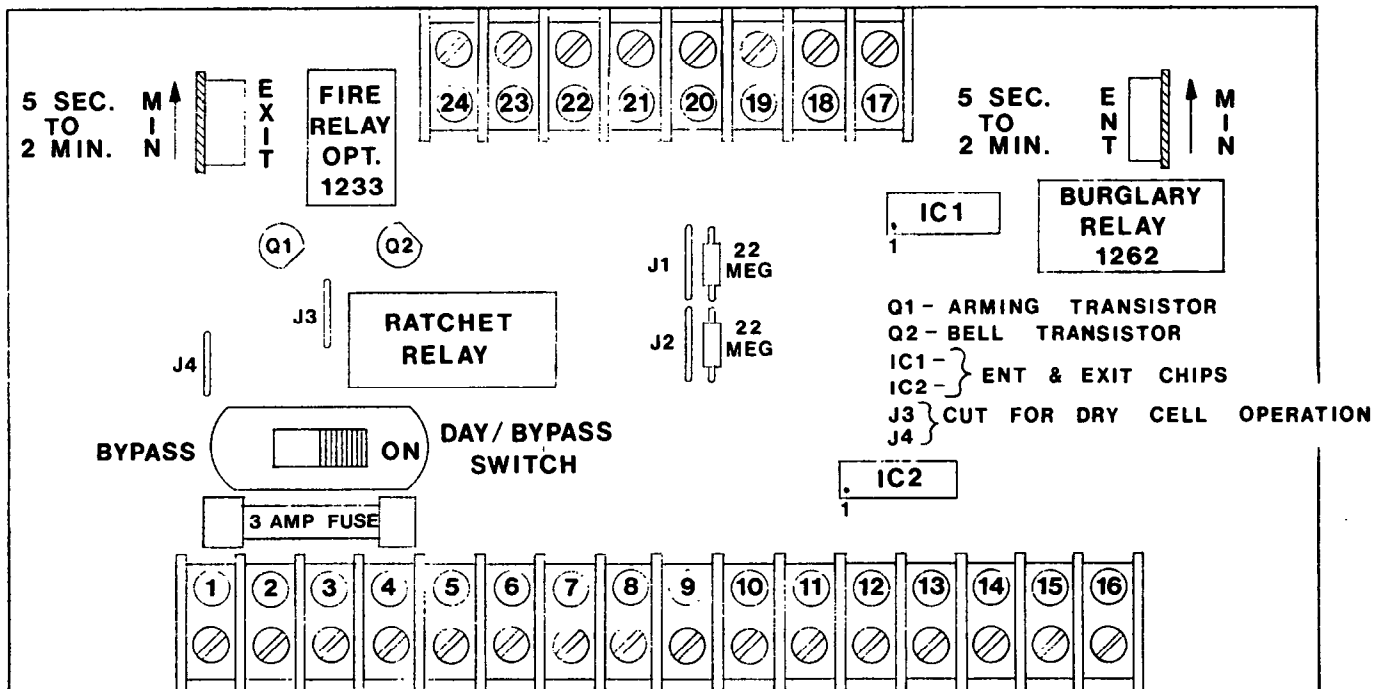
Bell Cut Off/Recycle Adjustment Procedure

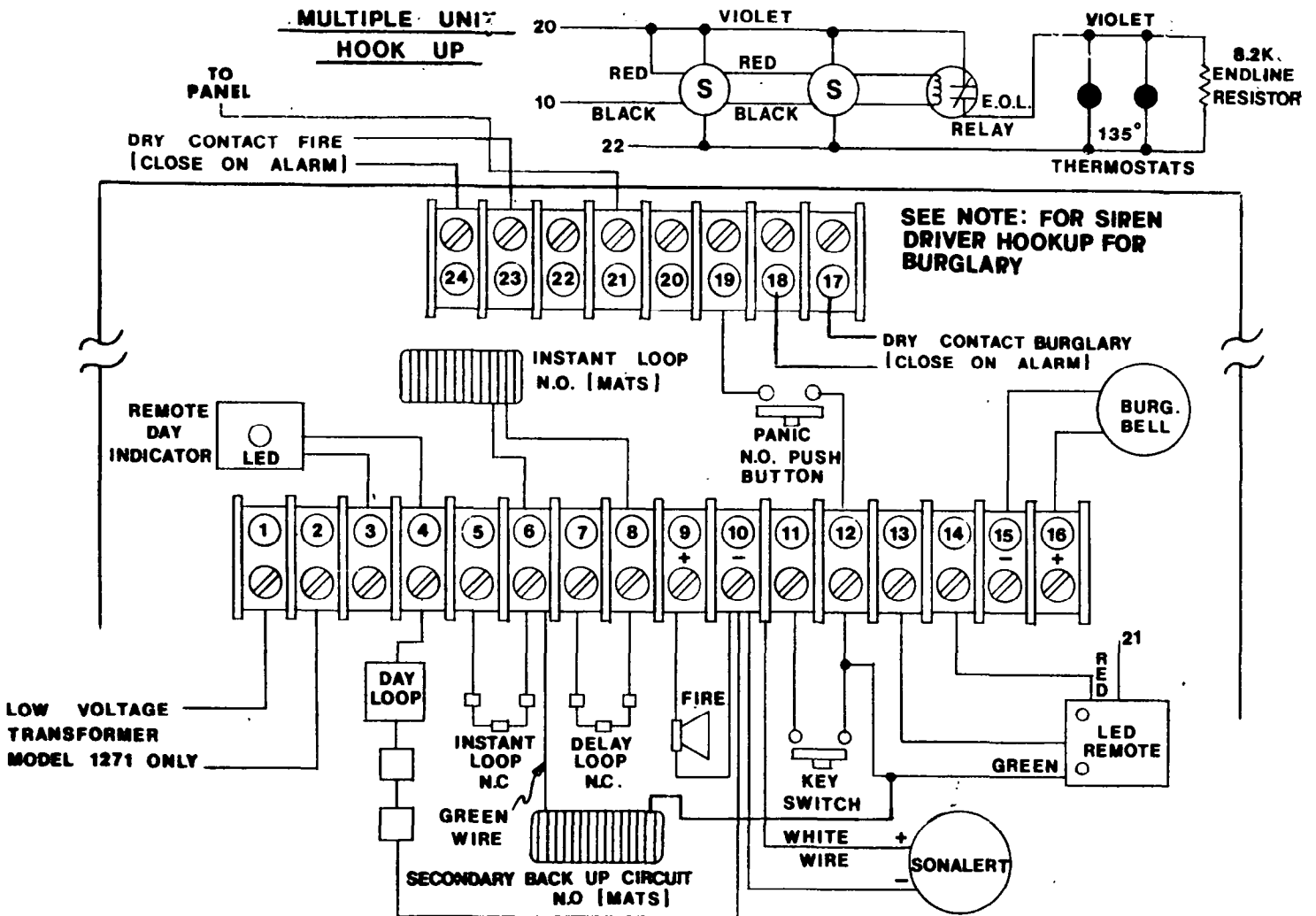
Jumpers J1 & J2 are for the bell cut off/recycle time

J1 12-18 minutes J2 12-18 minutes

With more than 1 jumper cut the time will add up (example J1 & J2 - 24-36 minutes)

If loop is closed (instant, delay or day) the bell will stop and the system will recycle. If the loop remains open, the bell will stop but the system will not recycle until the loop is restored. With the loop open and the bell cut-off, the secondary back-up system is now active. A closure on this circuit will cause the alarm to activate.





SIMPLE THERMOSTAT HOOK-UP

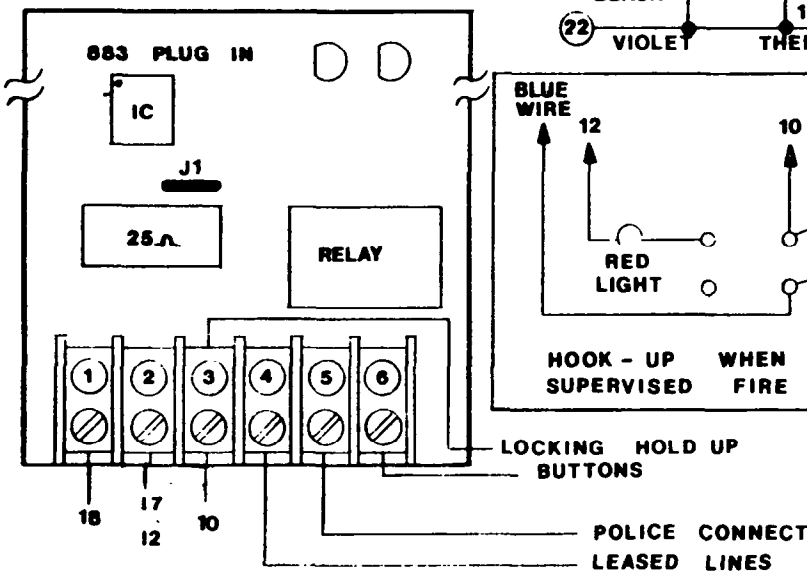


WILL PROVIDE BOTH ENTRY / EXIT AND DAY ALERT

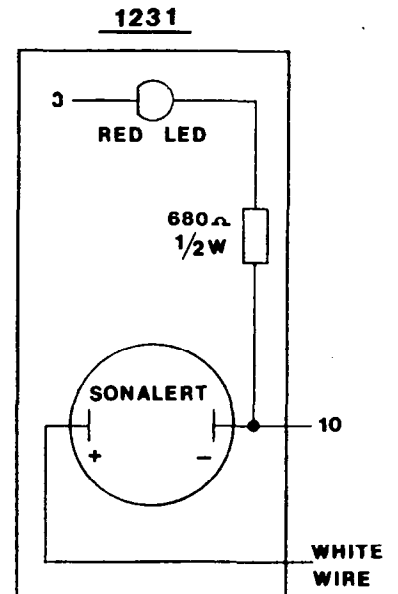
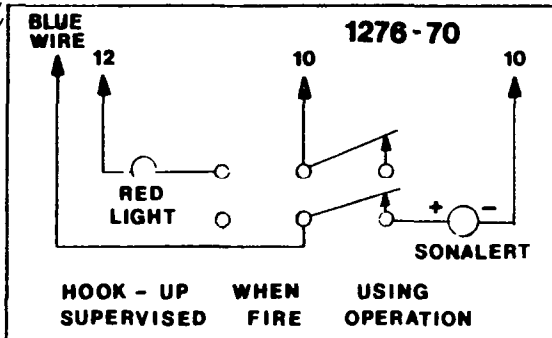
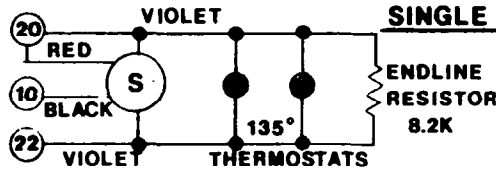
NOTE:
 E.O.L. RELAY (1218) IS REQUIRED ONLY WHEN POWER SUPERVISION IS NECESSARY
 S - SMOKE DETECTOR 1216/1217

1232 POLICE CONNECT MODULE

WHEN USING 30 SECOND DELAY OPTION . 883, CUT JUMPER J1



SINGLE UNIT HOOK UP



SPECIAL INSTRUCTION: ON MODEL 1270 OF THE SONALERT RESET SWITCH AND MODEL 542 ARE FACTORY INSTALLED. THE DAY BYPASS SWITCH IS THE EXTERIOR. INTERIOR SWITCH ON FRONT PANEL.