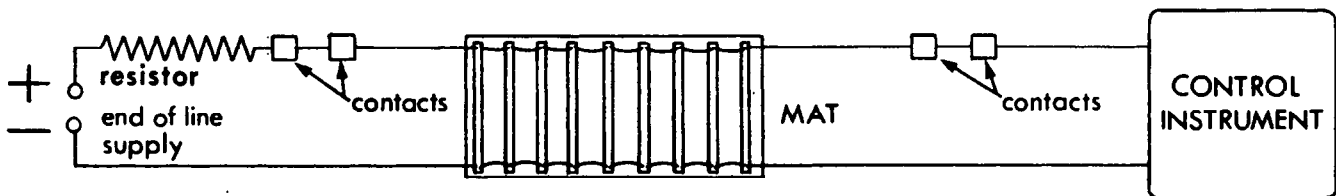


NOTES ON 1000 SERIES CONTROLS

1. To eliminate the bell test on the Nos. 1000 and 1020 control instruments, cut the jumper wire on the rear of the wafer switch on the keyswitch. There is only one jumper wire to cut. To eliminate the bell test on other 1000 Series controls, contact ADEMCO for further information. There is no bell test feature on Nos. 100 and 110 controls.
2. Open circuit devices may be tied into the No. 1000 control for 24 hour protection. Connect open circuit devices in parallel with terminals 1 and 4. The closing of the circuit between terminals 1 and 4 will activate the bell circuit in any of the keyswitch positions.
3. The addition of floor mats should follow one of the three procedures below:

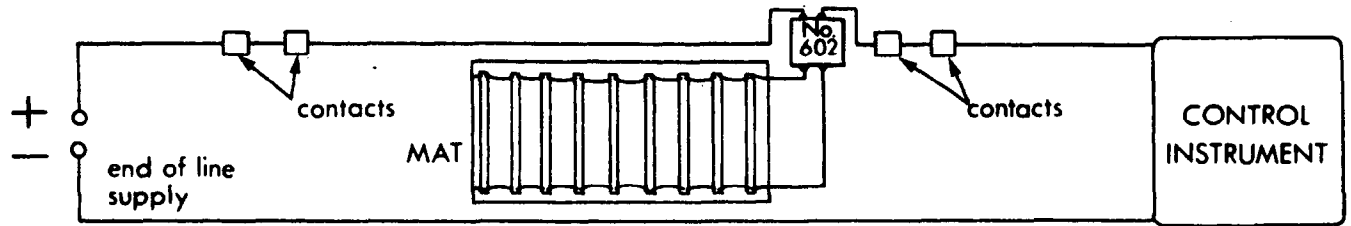
METHOD 1 - CAN BE USED WITH ANY 1000 SERIES CONTROL
OR WITH ANY NO. 221, 229, OR 330/340 SERIES CONTROL (see NOTE below)



When a mat is stepped on, it shorts the sensitive relay and causes it to drop out and sound the alarm when the system is armed. This method gives a completely supervised installation and is ideal for commercial installations. It is necessary to add the 125 ohm, 10 watt resistor (Ademco No. 603) in series with the protective circuit at the end-of-line power supply. This will limit the current drawn from the batteries when the mat is stepped on and prevents damage to them. Since there is a voltage drop across the resistor, be sure that the meter reading when the panel is in the CIRCUIT TEST function, is at least 3 milliamps. Using the resistor will not present a problem when using a rechargeable supply at the end-of-line, but in cases where dry cells are used to power the protective circuit, it may be necessary to add an additional No. 6 battery in series with the others to compensate for the resistor, if at least 3 milliamps cannot be obtained on the meter.

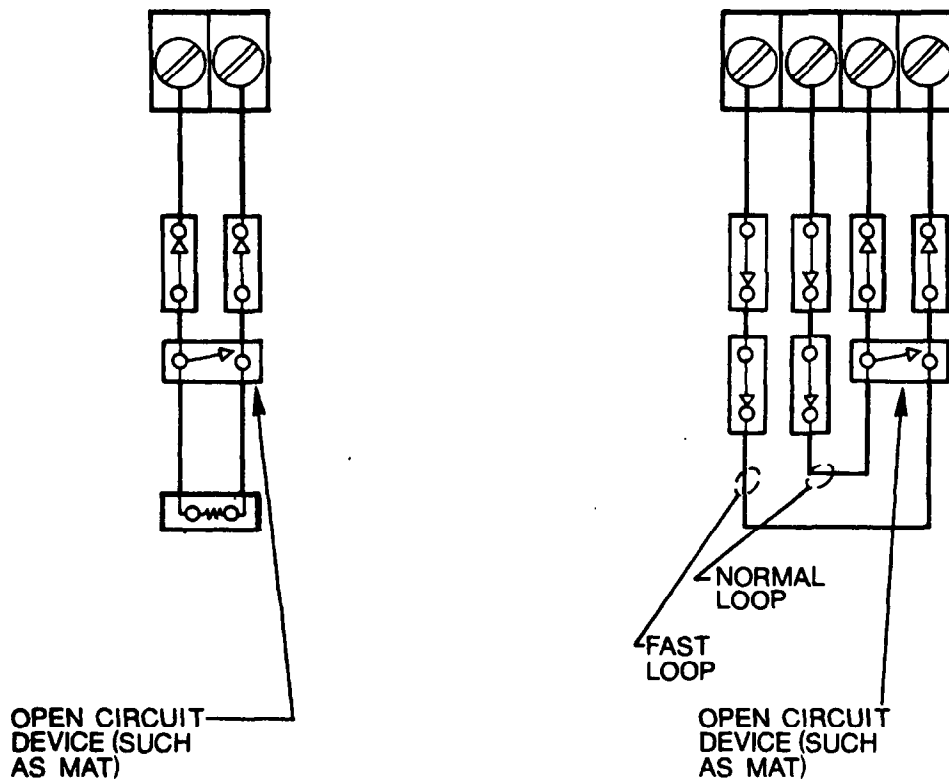
NOTE: DO NOT use the resistor when using Nos. 221, 229, 330/340 Series controls as these controls already have built-in current limiting devices.

METHOD 2 - CAN BE USED WITH ANY CONTROL IN THE 1000 SERIES
OR WITH ANY NO. 221, 229, OR 330/340 SERIES CONTROL



Connecting the mat directly into the protective circuit by means of a Mat Coupler is shown above. This is the preferred method over Method 1, since the coupler will convert the action of the mat (an open circuit device) into that of a closed circuit device and cause it to act like any contact in the protective circuit. Once again, like the resistor found in Method 1, the coupler will develop a voltage drop, and in cases where end-of-line dry cells are used to power the protective circuit, it may be necessary to add an additional dry cell to insure a 3 milliamp minimum current reading on the meter. This will not be necessary when using rechargeable supplies having a 6 volt output.

METHOD 3 - CAN BE USED WITH ANY CONTROL IN THE APC SERIES



In this case the mat is connected directly across the protective circuit without the need for resistors or couplers.

For further information on mat installations, see Part 2 of this manual, Section T.

4. To add sirens or lights to an existing installation which contains Nos. 1000, 1002, 1004, 1005, 1006, or No. 100, refer to the Installation Instructions for the No. 148 panel.
5. To add the modularm 130 to an existing installation which contains Nos. 1000, 1002, 1004, 1008, 1009, 1020, 100 or 110, all that is needed is the addition of a reversing relay, Nos. 144, 149, or 336. The bell test must be eliminated to prevent an alarm from being sent to the police department or central station (see note 1, above). A shunt lock or an entry/exit delay module (e.g. No. 355) will have to be used to prevent an alarm being sent upon opening the premises. If the bell test feature would rather not be eliminated, use No. 145 or 147 central office relay with time delay incorporated.
6. To add a telephone tape dialer or digital communicator to an existing installation which contains a No. 1000, 1002, 1004, 1008, or 100, refer to the Installation Instructions for No. 148 relay. The bell test must be eliminated as described in note 1. A shunt lock or an entry/exit delay module (e.g. No. 355) will have to be used to prevent dialer activation upon entering the premises. If the bell test feature is wished to be kept, you can use a No. 147 relay with built-in time delay.
7. To eliminate the bell test feature on Nos. 1002 and 1004 controls, follow this procedure:
 - a. Remove wired panel from control box and place it face down so that the internal wiring is now visible.
 - b. Locate the two wires soldered to the back of terminal 1. One wire goes to the latching (bell drop) relay and the other terminates at the keyswitch.
 - c. Cut the wire that connects terminal 1 to the keyswitch. Leave the other wire intact. Now the bell will not ring when the keyswitch is in the BELL TEST position, but will sound during an alarm.