

Nos. 1000 & 1003 DELUXE CONTROL INSTRUMENTS

GENERAL INFORMATION:

The No. 1000 is a closed circuit control for ringing a local bell.

The No. 1003 is similar to the No. 1000 except it has the ability to actuate a telephone dialer or digital communicator or to turn on floodlights or siren, as well as the alarm bell.

Both controls are provided with leads for the easy (optional) connection of a No. 355 Entry/Exit Time Delay Module. Its adjustable time delays of 10-35 seconds upon entering and exiting eliminate the need for shunt locks. Information on the installation and operation of the No. 355 with the Nos. 1000 and 1003 Controls is contained herein.

INSTALLATION INSTRUCTIONS (See Diagrams A, B and C):

- NOTES:
- (1) Separate power sources (Diagram A) or a single No. 497 Recharge-A-Pack (Diagram B) may be used for the 6 V.DC and 3 V.DC circuits. (A No. 492 Battery Pack may be used for greater standby capacity.)
 - (2) If desired, BELL TEST may be eliminated by cutting the white jumper wire on the rear of the wafer switch on the keyswitch.
 - (3) The following information is applicable only when entry/exit time delay is used (See Diagram C):
 - a. A No. 497 (or No. 492) should be used as shown in Diagram C. (Do not use dry cells).
 - b. In this application of the No. 355, the spring switch included with it is not used.
 - c. "Delay" Circuit: Closed circuit contacts between terminals 1 and 4 of the No. 355 constitute a "Delay" Circuit. Usually only the exit and entry doors are connected into this circuit. Devices that might be actuated when the subscriber leaves or enters, such as ultrasonics, mats or photocells can also be wired into the "Delay" Circuit.
 - d. "No-Delay" Circuit: The remaining contacts shown in Diagram C are not delayed and give the alarm signal immediately upon actuation.
 - e. To set time delays, refer to the instructions included with the No. 355.

Control Terminal Connections:

Terminals 1, 2	Connect to a 6 V.DC Bell (such as No. AD8 or AD10) or Low Current Drain Electronic Siren (such as No. 700). OBSERVE POLARITY, particularly with Electronic Siren
A, B (No. 1003 only)	Connect to Dialer or Digital Communicator (Diagram A) or Floodlights or Electro-mechanical Siren (Diagram B).

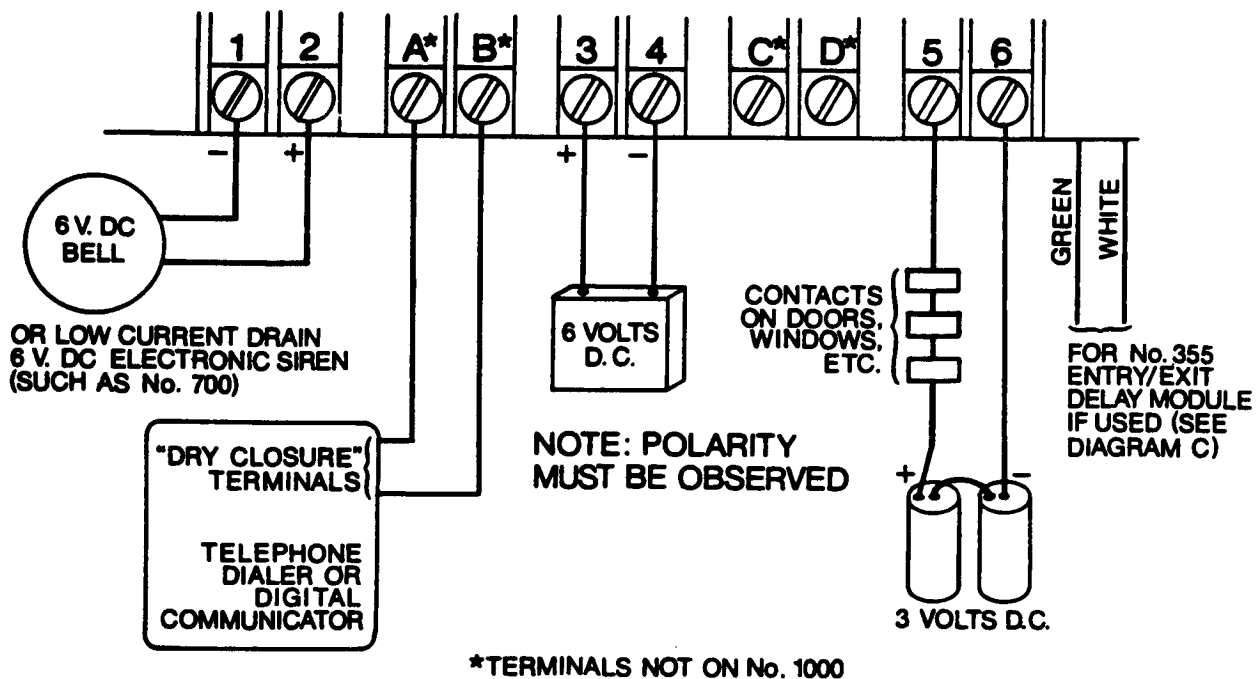


DIAGRAM A: Connection To Telephone Dialer Or Digital Communicator (Single Rechargeable Power Supply May Be Used. See Diagram B)

(CONT.)

3, 4

6V. DC must be provided for these terminals whether or not a local bell is used. See Installation Notes I and 3a. OBSERVE POLARITY.

C, D
(No. 1003 only)

When connecting floodlights or siren (Diagram B), add jumper across these terminals (for 10 amp rating). When connecting dialer or digital communicator (Diagram A) do not add jumper.

5, 6

Connect to protective circuit and 3 V.DC as shown in Diagrams A or B or (with entry/exit delay) Diagram C.

Green & White
Leads

If entry/exit time delay is used, connect these leads to a No. 355 Entry/Exit Delay Module and make other connections as shown in Diagram C.

OPERATING INSTRUCTIONS, Without Entry/Exit Delay (Diagrams A or B)

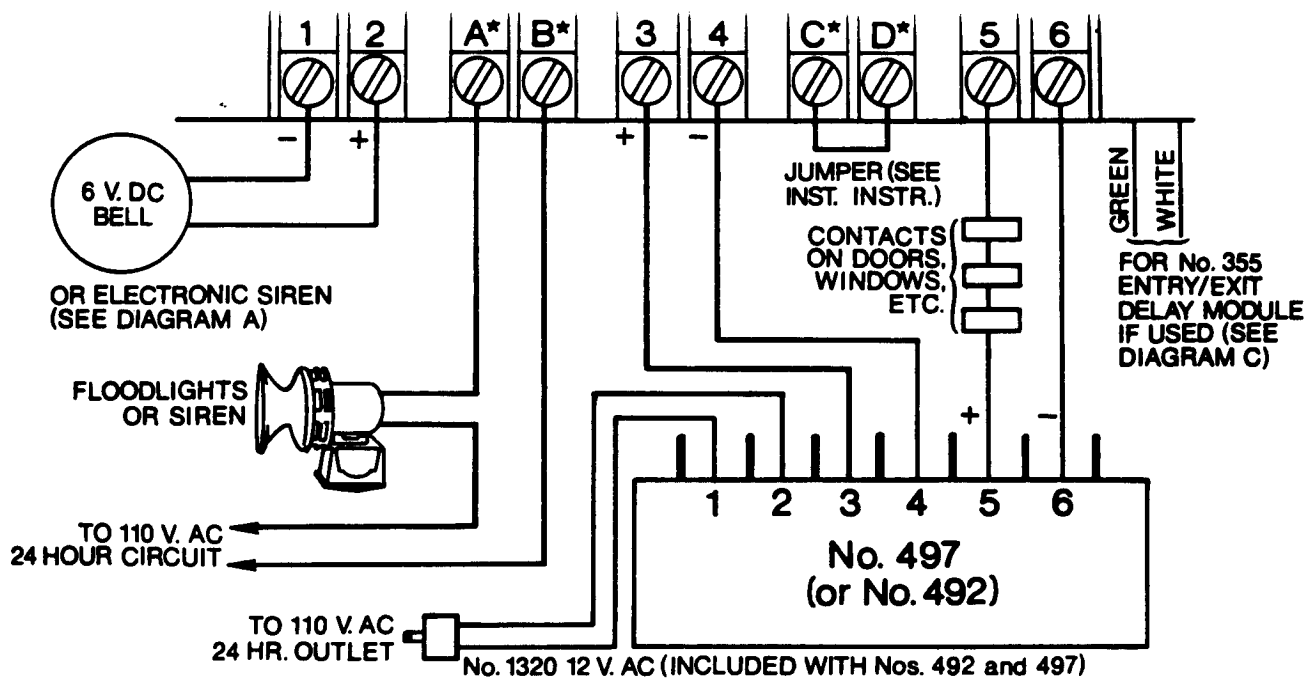
When closing, make certain that all doors, windows and other protected points are closed, then turn keyswitch on control to BELL TEST.

BELL TEST:

Bell should ring and (on No. 1003) floodlights or siren, if used, should turn on (unless BELL TEST has been eliminated, per Installation Instruction Note 2). A dialer or digital communicator (on No. 1003) will not be affected by BELL TEST. Turn keyswitch to...

CIRCUIT TEST:

Meter on control should read at least 3-4 ma. IF METER READS ZERO OR LESS THAN 2.5 ma, DO NOT TURN SYSTEM ON, as bell will ring and (on NO. 1003) dialer, digital communicator, floodlights or



*TERMINALS NOT ON No. 1000

DIAGRAM B: Connection Of Floodlights Or Siren (Batteries May Be Used. See Diagram A)

siren will be actuated. Instead, check all doors, windows, etc. If meter still does not read properly, call alarm company for service.

Once meter reads at least 3-4 ma turn keyswitch to...

ON: In the event of a break-in, bell will ring and, (on No. 1003) if used, dialer or digital communicator will transmit signal or floodlights or siren will turn on.

The panel meter reads zero during the ON period as it is not in circuit.

When opening, enter in normal manner and turn keyswitch to...

OFF: All doors, windows and other protected points may be operated without initiating alarm.

OPERATING INSTRUCTIONS, With Entry/Exit Delay (Diagram C)

NOTE: To prevent an alarm when opening, follow the entering procedure described at the end of these instructions.

In the OFF position, the control's front panel meter reads zero. All devices wired into the "No-Delay" or "Delay" Circuits may be operated without danger of initiating an alarm. When closing, make certain all doors, windows and other protected points are closed, then turn keyswitch on control to BELL TEST.

BELL TEST: Bell should ring and (on No. 1003) floodlights or siren, if used, should turn on (unless BELL TEST has been eliminated, per Installation Instruction 2 on page 1). A dialer or digital communicator (on No. 1003) will not be affected by BELL TEST. Turn keyswitch to...

CIRCUIT TEST: When the key is turned to the CIRCUIT TEST position, no reading should be obtained initially on the control's meter.

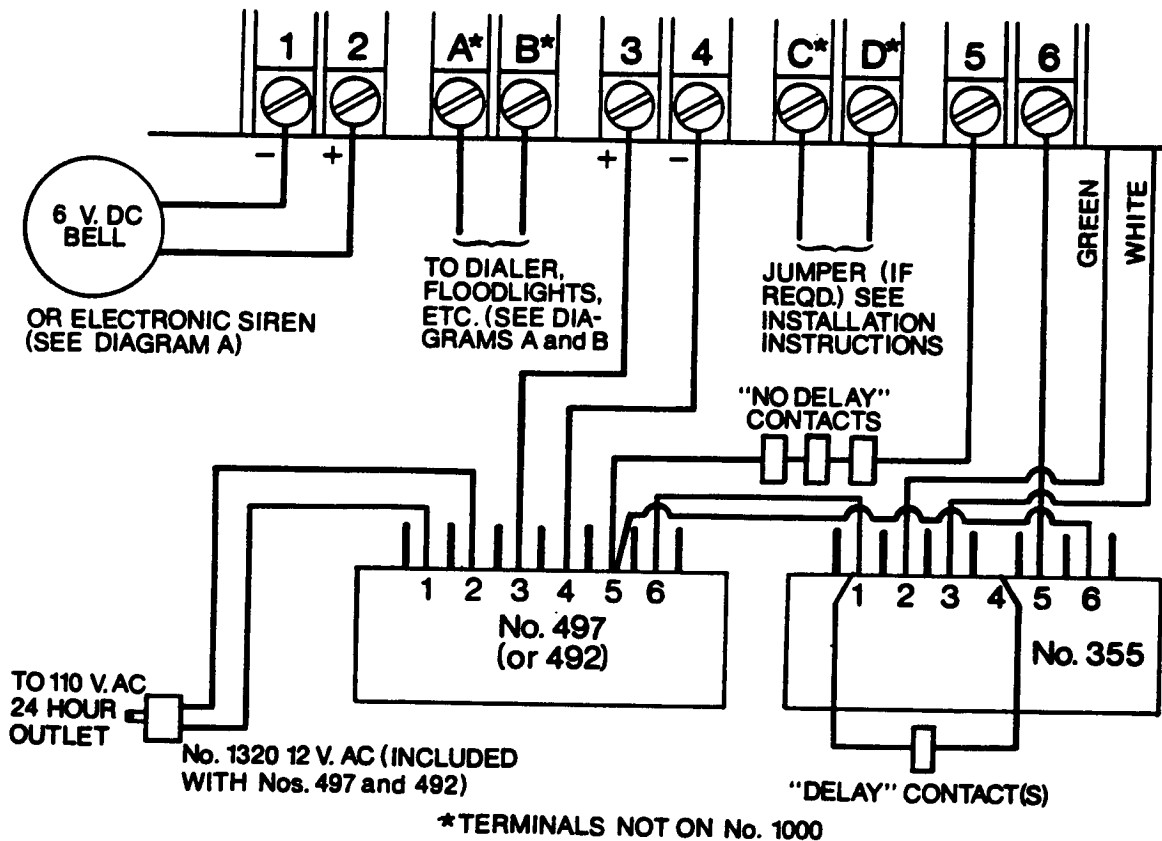


DIAGRAM C: Connection Of (Optional) No. 355 Commercial Entry/Exit Delay Module To No. 1000 Or No. 1003 Control

After a few seconds the meter should read at least 3-4 ma.

If no reading appears after a few seconds, either the "No-Delay" Contacts Circuit or the "Delay" Contacts Circuit is open. The control may be left in the CIRCUIT TEST position while the appropriate part of the circuit is checked.

If a reading appears immediately when the control is turned to CIRCUIT TEST position, it is an indication that the exit delay time is not yet properly set. TURNING THE CONTROL TO ON TOO SOON AND OPENING THE DELAYED EXIT DOOR WILL CAUSE AN ALARM. Merely leave the control in the CIRCUIT TEST position for 5 seconds to set the exit delay time before proceeding.

When the proper (at least) 3-4 ma reading is obtained, turn the control to ON, ONLY WHEN READY TO LEAVE, because...

ON: Turning the key to the ON position begins the EXIT DELAY period (10 to 35 seconds, as pre-set). The subscriber must leave through any door in the "Delay" Circuit during this period to avoid triggering an alarm. The panel meter reads zero during the ON period as it is not in circuit.

OFF: When the subscriber enters through a "delayed" door, the Entry Delay Period begins (10 to 35 seconds as pre-set). To prevent an alarm the control must be turned to off before the end of the ENTRY DELAY period.

SPECIFIC TROUBLESHOOTING No. 1003

TROUBLE: 1. DURING BELL TEST, ANY DIALER OR DIGITAL COMMUNICATOR USED BEGINS TO ACTIVATE.

PROBABLE CAUSE

REMEDY

- | | |
|--|-------------------------------|
| A. <u>Incorrect use of jumper wire</u> between terminals C and D (use the jumper only when floodlights or siren(s) are desired to be activated during the BELL TEST position of the key switch). | A. <u>Remove jumper wire.</u> |
|--|-------------------------------|

TROUBLE: 2. WHEN DESIRED, ADDITIONAL DEVICES LIKE SIRENS OR FLOODLIGHTS DO NOT ACTIVATE DURING BELL TEST.

PROBABLE CAUSE

REMEDY

- | | |
|---|--------------------------------|
| A. <u>A jumper is not installed</u> across terminals C and D. | A. <u>Install jumper wire.</u> |
|---|--------------------------------|

TROUBLE: 3. NO. 355 ENTRY/EXIT TIME DELAY MODULE DOES NOT SEEM TO OPERATE PROPERLY WHEN INSTALLED IN PANEL.

PROBABLE CAUSE

REMEDY

- | | |
|--|---|
| A. <u>An error in wiring exists</u> between No. 355 and the control. | A. <u>Review wiring details</u> as explained in Installation Instructions for Nos. 355. |
| B. <u>Incorrect operation by the user.</u> | B. <u>Instructions should be read carefully</u> and operation must be fully understood. |
| C. <u>Defect in No. 355 module.</u> | C. <u>Return to ADEMCO for servicing.</u> |