

V-Plex Single Output Relay Module**INSTALLATION INSTRUCTIONS****FEATURES**

The ADEMCO 4101SN V-Plex Single Output Relay Module is an accessory for use with ADEMCO control panels that support serial number polling loop output devices.

The 4101SN features the following:

- Form C relay contacts rated at 2A, 28VAC/VDC with contact supervision.



The position of the relay is supervised, but not the actual external contact wiring.

- One class B/style B EOLR-supervised aux input zone.
- Operating power and communication with control panels via the V-Plex polling loop.
- Electronics mounted in a small plastic case with tamper-protected cover.
- A module suitable for residential and commercial burglary and fire installations.

MOUNTING INSTRUCTIONS

1. Remove the case cover by first removing the screw.
2. Fasten the case back to the wall with three screws (not supplied) through the case back. (See *Figure 1*.)



The wall surface must be flat and substantially vibration-free.

WIRING INSTRUCTIONS

1. Run the wiring through the access slots in the case back and connect at the appropriate terminal block screw(s).
2. Make wiring connections as shown in *Figure 1*. When you leave the white jumper intact, the 10K EOLR for the aux zone is internal. Only N.O. devices may be used, and these devices must be mounted no farther than 3 feet from the module in UL installations.

When you cut the white jumper, you must connect the 10K EOLR for the aux zone to the end of the zone wire run. Either N.O. or

N.C. devices may be used, and these devices may be located where desired.

When the aux zone is programmed for burglary response type, you may use the discrete 10K resistor (supplied). When this zone is programmed for fire response type, you must use the model number WA 610-13 resistor (supplied).

3. Place the cover over the PCB and insert the screw to hold it in place.

PANEL PROGRAMMING INSTRUCTIONS

The 4101SN Module's serial number must be enrolled in the control panel so that the panel can communicate with it. Each 4101SN (if there is more than one connected to the polling loop) is enrolled one at a time. The following steps outline the general procedure for how this is done. Refer to the control panel's Installation Instructions for additional information.

1. Enter the control panel's Programming mode.
2. Assign a zone number and a non-zero zone response type to the 4101SN. The control panel will use this zone to report supervision (i.e., communication) problems, cover tamper faults (if enabled), relay contact supervision (i.e., failure to activate) problems and aux zone faults (if used) on that 4101SN. The assigned response type determines how the panel responds to faults on the 4101SN's aux zone, as well as influences the panel's response to supervision and cover tamper problems.

The panel will generally provide a 24-hour trouble response for relay contact supervision problems. For communication and cover tamper faults, it will provide either a 24-hour trouble response (if a fire alarm response type is used) or a day trouble/night alarm response (if a burglary alarm response type is used).



The cover tamper feature must be used for fire and for UL burglary installations, and must be enabled at the control panel (program field *24=0 on most controls).

3. Program the zone as "Input Type 6 – SL" (for serial number polling loop device).

4. Assign activation options to the relay on the 4101SN.
5. When prompted by the keypad to enroll the 4101SN's serial number, remove its enclosure cover. This will trip a cover tamper fault, and will cause the 4101SN to report its serial number to the panel. The panel will acknowledge receipt of the serial number and may require the cover to be replaced and then removed again to confirm that the proper serial number was enrolled.
6. Replace the cover after the 4101SN has been enrolled.
7. Repeat steps 2 through 6 for the remaining 4101SNs.

SPECIFICATIONS

Physical:

Width: 2-1/8" (53mm)

Height: 3-1/4" (84mm)

Depth: 1" (25mm)

Electrical:

Polling loop input voltage range: 8-14VDC

Polling loop current draw: 7mA

Relay contact rating: 2A at 28VAC/VDC, both resistive and inductive loads

Aux Zone:

- 10K EOLR (internal when white jumper intact; external when white jumper cut)
- 300 ohm max zone resistance (excluding EOLR)
- Responds to open or short circuit faults having 250mSec or longer duration
- Class B (style B when used with panels providing earth ground fault detection)

AGENCY LISTINGS (PENDING)

- UL985 Household Fire
- UL1023 Household Burglary
- UL609 Commercial Burglary
- UL864 Commercial Fire
- CSFM
- FM
- MEA

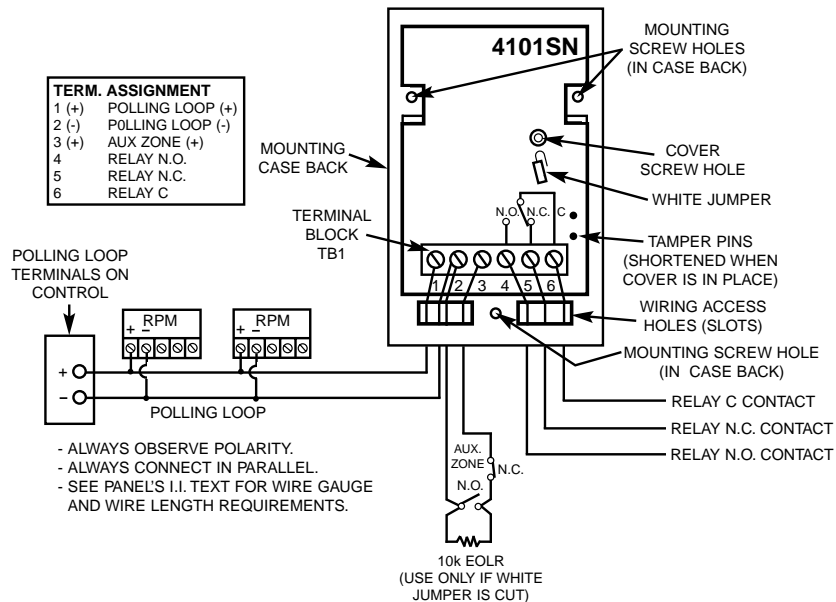


Figure 1: 4101SN V-PLEX Single Output Relay Module

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