

INSTALLATION INSTRUCTIONS

General Information

The ADEMCO 4190SN V Plex SIM is a 2-zone expander which allows use of the available expansion zones provided by ADEMCO controls that support V Plex polling loop devices. The 4190SN consists of two protection loops, known as the left (primary) and right (secondary) loops. The left loop can be used for:

- closed-circuit devices, with or without EOLR supervision.
- open-circuit devices, with EOLR supervision.
- fast-response (10 millisecond) devices.

Follow the chart to the right for cutting the correct jumpers and choosing the correct resistor when using the left loop.

The right loop can be used for:

- closed-circuit devices only.
- has no EOLR supervision.
- 400 millisecond response time.

The jumpers do not affect the operation of the right loop. The right loop cannot be used alone.

Supervision

The tamper/supervision response of the 4190SN is determined by the zone response type assigned to the left loop zone. While the system is armed, tamper/supervisory faults will report as alarms if the left loop zone is assigned a burglary response type and will report as troubles if the left loop zone is assigned a non-burglary response type (i.e., fire, panic, aux). While the system is dis-

armed, tamper/supervisory will always report as troubles.

Programming Notes

Program the unit like any other zone, according to the alarm control's installation instructions. Enter the following information when prompted for in programming:

"INPUT TYPE" = "6" (SL--Serial Number Device)

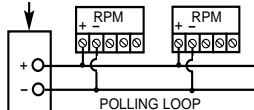
Left Zone = Loop 1

Right Zone = Loop 2

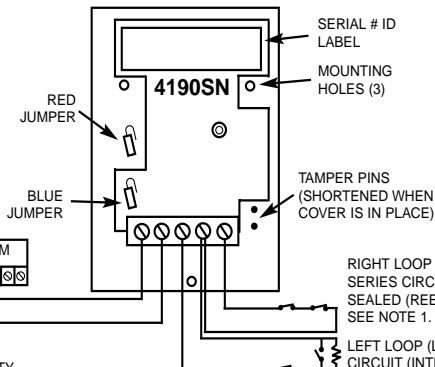
JUMPERS	USAGE (APPLIES TO LEFT ZONE (LOOP 1) ONLY)
RED	Cut for fast response (10msec).
BLUE	Cut for use with no EOLR (closed-circuit only). Doing this automatically puts an internal 10K ohm resistor in series with the zone.
NONE CUT	Use the 10K ohm resistor provided, with switches in either an open-circuit or closed-circuit configuration. 4190SN draws 2 mA from the polling loop in this mode.

TERM. ASSIGNMENT	
1 (+)	POLLING LOOP (+)
2 (-)	POLLING LOOP (-)
3 (+)	LEFT LOOP 1 (+)
4 (-)	COMMON (-)
5 (+)	RIGHT LOOP 2 (+)

POLLING LOOP
TERMINALS ON
CONTROL



- ALWAYS OBSERVE POLARITY.
- ALWAYS CONNECT IN PARALLEL.
- SEE TEXT FOR WIRE GAUGE AND WIRE LENGTH REQUIREMENTS.



RIGHT LOOP (LOOP 2): FOR N.C. SERIES CIRCUITS ONLY. USE SEALED (REED) CONTACTS. SEE NOTE 1.

LEFT LOOP (LOOP 1): FOR N.C. CIRCUIT (INTERNAL EOLR) OR N.C. AND/OR N.O. CIRCUIT (EXTERNAL EOLR). SEE NOTES 2 AND 3.

UL Notes

1. The right loop may not be used for Commercial Fire or UL Commercial Burglary installations.
2. For Commercial Fire usage: Use N.O. contacts on the left loop. Supervise (style B) this loop using Model #610-11 Fire Listed 10K ohm EOLR (purchased separately as part of the 4100 EOLR resistor kit).
3. For UL Commercial Burglary Usage: Use N.O. or N.C. contacts on the left loop. Supervise using the 10k ohm EOLR supplied.

Specifications

Physical:

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

Height: 3-1/4" (81mm)

Depth: 1" (25mm)

Electrical:

Voltage Input: 8 - 11VDC

Current Drain: 2mA

Max. Loop Wire Run: 100'

Max. Wire Gauge: 18 awg

ADEMCO GROUP

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