

■ Traffic Signaling Products



The **SRA16C-1** is a three terminal device, two of which are connected across the signal inputs of the detector for differential mode protection, and the third is grounded to protect against common mode damage.



Differential mode surges (induced voltage across the loop detector input terminals) are clamped by a semiconductor array instantly. The array is designed to appear as very low capacitance to the detector.

Common mode surges (induced voltage between the loop leads & ground) are handled by a rugged three-element gas discharge tube which operates (fires) at 90VDC and thereafter clamps the two loop leads to 30 volts in respect to ground. This design eliminates any ground noise from entering the loop detector and being amplified. The **SRA16C-1** is intended for all current detector models on the market.

SPECIFICATIONS

Operating Voltage	75VDC
Clamping Voltage	90VDC
Operating Current	NA
Peak Surge Current	10 kA
SPD Technology	Gas Discharge Tube
Connection Type	Wire Leads
Operating Temperature	-40°C to +85°C
Dimensions	1" Sq., Ht. 2" max
Mounting	No. 10- 32 x 3/8" stud
Weight	3 oz

INSTALLATION

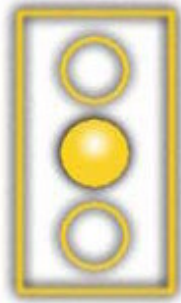
Mounting brackets are available for installing multiple units in the controller cabinet. The brackets are capable of mounting four or eight devices in-line. One **SRA16C-1** is used for each loop detector to be protected.

Units are installed as close as practical to the point where the detector loop wires enter the controller cabinet. Connect one of the flexible leads to each end of the loop. The common (bolt) connection on each **SRA16C-1** must be connected to earth ground.

Best performance is obtained by (1) shortening the flexible leads as much as possible, and (2) providing the lowest possible impedance to ground.

NOTE: The **SRA16C-1W/LEADS** (special order) is installed very similar to the standard unit except the common (bolt) is replaced with a green wire.

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**NEED HELP?
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