

Edco SRA6LC Series Vehicle Loop Detection

The Edco SRA6LC Series are three terminal devices, 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.

This unit addresses over-voltage transients on both common and differential modes with state-of-the-art silicon breakover devices. The Edco SRA6LC Series is intended for all popular makes of loop detectors presently on the market.

Features

- Differential and common mode protection
- Fast response time
- Compatible with digital detectors
- Epoxy encapsulated
- Easy installation
- 5 year warranty

General Technical Specifications

Part Number	Edco SRA6LC
Operating Voltage	75 VDC
Clamping Voltage	130 VDC
Operating Current	NA
Peak Surge Current	250A
SPD Technology	Silicon Breakover Device
Operating Temperature	-40°C to +85°C
Weight	3 oz

Dimensions:

SRA6LC	1.2" Square cube
SRA6LC W/LEADS	1.2" Square cube

Mounting:

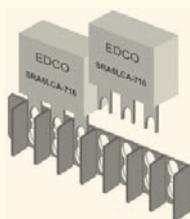
SRA6LCA-716	7/16" Terminal Strip Spacing
SRA6LCA-916	9/16" Terminal Strip Spacing
SRA6LCB	9/16" Terminal Strip Spacing
SRA6LCBLL	9/16" Terminal Strip Spacing

Installation

General: Units are installed as close as practical to the point where the detector loop wires enter the controller cabinet. Connect one of the leads to each loop. The common (either the bolt, green wire or center clip) connection must be connected to earth ground. Best performance is obtained by shortening the leads as much as possible, and providing the lowest impedance to ground. One Edco SRA6LC is used on each loop detector circuit to be protected.

The Edco SRA6LCA slips under the equipment-side screws of the terminal strip. (See Drawing A) The protector ground is the center spade of the 3 spade terminations. The terminal strip must jumper this corresponding position to ground. Protectors can be mounted consecutively along the terminal strip.

Drawing A



The Edco SRA6LCB slips under the equipment-side screws of the terminal strip. The protector ground wire must be bonded in a short, direct manner to the cabinet power ground. Protectors can be mounted consecutively along the terminal strip.

The Edco SRA6LC has mounting brackets available for installing multiple units in the controller cabinet. The brackets are capable of mounting four or eight devices in-line.

Ordering Information

SRA6LC	Cube, 2 leads + stud
SRA6LC W/LEADS	Cube, 3 leads/no stud
SRA6LCA-716	3 Spaded Term. Block 7/16 Spacing
SRA6LCA-916	3 Spaded Term. Block 9/16 Spacing
SRA6LCB	2 Spaded Term. Block w/3.5" Gnd Wire
SRA6LCBLL	2 Spaded Term. Block w/11" Gnd Wire

Caution:

Installation and service should be performed by qualified technicians or service personnel.