

# Vehicle Loop Detector



## Standard Features

### Vehicle Loop Detector

- Loop diagnostics
- Loop isolation transformer
- Loop conditioner
- Aluminum RF shield housing
- Surge protection
- Loop frequency counter
- 10 gold-plated sensitivity controls
- Eight gold-plated function controls
- Six gold-plated controls for frequency, reset and frequency counter
- Two high-intensity LED indicators
- Two relays—relay 2 is pulse or presence

## Part Number/Price

Part#	Description	Price
Consult	Relay box	Consult
171093	Enclosure, loop detector, loop not included must order separately	\$1,225.00
78986	4 x 8 ft loop, 50 ft lead wire	\$260.00
86758	4 x 10 ft loop, 50 ft lead wire	\$260.00

# EMX Lite Preformed Loops®



## Specifications

### Vehicle Loop Detector Power:

The detector is available in the following voltages:  
12 VAC/DC, 24VAC, 24VDC, 110 VAC, 220 VAC.  
Maximum current draw 100mA

### Low Power:

Detector is available with maximum current draw of 60mA

### Temperature:

-40° to 180°F (-40° to 82° C)

### Enclosure:

Extruded anodized aluminum,  
(H x W x D) 3.25 x 2.56 x 3.65in (83 x 40 x 90mm)

### Output Relays:

5A/125 VAC standard version, 1A/125 VAC low current version

### Connector:

86CP11 compatible with 11-Pin Octal DIN-rail mountable socket or wire harness

### EMX Lite Preformed loops

#### Operating Temperature:

-60°F to 260°F (-51°C to 126°C)

#### Overall Diameter of Loop Wire:

0.26in

#### Loop Dimensions:

4 x 6ft thru 4 x 12ft standard, custom sizes available

#### Lead-in-Wire:

50ft long, twisted wire in PVC jacket

#### Loop Wire Approvals:

UL subject 13, Type PLTC 300V, 90C passes IEEE-328,210,000, BTU Flame Test  
Pennsylvania, Bureau of Deep Mine Safety, Approval P-MWMS-1-85

## Standard Features

### EMX Lite Preformed Loops

- Rugged and flexible TPE tubing
- Electronic lightning protection of vehicle detectors
- Comes standard with 50 ft of twisted and jacketed lead-in wire
- Vehicle detection loop is constructed of stranded wire conductors with thermoplastic elastomer insulation jacketing
- Outer shell is flexible nonmetallic 0.26 in tubing
- Two relays—relay 2 is pulse or presence
- Loop installation requires backer rod and epoxy sealant provided by others

## Part Number/Price

Part#	Description	Price
86601	4 x 8 ft-3 ft range (includes 78985 - loop and 15968 - socket)	\$615.00
86759	4 x 10 ft-4 ft range (includes 78985 - loop and 15968 - socket)	\$615.00