

# 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

## 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

### Operating Temperature:

-40 °F to 180 °F (-40 °C to 82 °C)

### Enclosure:

Extruded anodized aluminum  
(L × W × H)  
3.25 × 2.56 × 3.65 in  
(83 × 40 × 90 mm)

### 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

### Overall Diameter of Loop Wire:

0.26 in

### Loop Dimensions:

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

### Lead-in-Wire:

50 ft 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

## Part Number/Price

Part #	Description	Price
Consult	Relay box for additional I/O control	Consult
171093	Vehicle Detector includes pre-wired loop detectors, terminals for wiring lead wires from loops and power source. (loops not included)	Consult
78986	Loop, vehicle detection preformed, 4 ft x 8 ft loop, 50 ft lead in wire	Consult
86758	Loop, vehicle detection preformed, 4 ft x 10 ft loop, 50 ft lead in wire	Consult

AUTOMATED  
TICKETING

# EMX Lite Preformed Loops®



## 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

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Pennsylvania, Bureau of Deep Mine Safety,  
Approval P-MWMS-1-85

## Part Number/Price

Part #	Description	Price
86601	Vehicle detector includes detector, socket and 4 ft x 8 ft loop with 50 ft lead in wire	Consult
86759	Vehicle detector includes detector, socket and 4 ft x 10 ft loop with 50 ft lead in wire	Consult