

ULTRALOOP®-ULT-MVP-2

TWO CHANNEL MULTIVOLTAGE VEHICLE LOOP DETECTOR

The ULTRALOOP® two channel multi-voltage vehicle loop detector combines small size with a 12VDC to 240VAC input range.

- 2 channels with AB logic
- ULTRAMETER™ sensitivity display - easy set-up and installation by selecting the correct sensitivity
- Crosstalk and RFI interference display - easy identification of interference problems
- Small size - fits into small operator housings, saving space (73 x 38 x 78mm)
- 10 sensitivity settings - gives the user the ability to select the best sensitivity level
- Low current draw - green product
- **DETECT-ON-STOP™** or (DOS®) feature will allow detection only when a vehicle has come to a complete stop on the loop. This EMX exclusive feature is a major advantage if you want to ignore cross traffic in tight spaces.

The ULT-MVP-2 provides relay contact outputs indicating vehicle presence, pulse, AB logic (directional mode) or the new EMX feature, Detect-On-Stop™ (DOS®) for each channel. The ULT-MVP-2 features automatic sensitivity boost (ASB) and infinite or normal (5 min.) presence.

The detector is easily installed and has user-friendly features that simplify set-up, operation and troubleshooting. Sensitivity selection is simplified by the ULTRAMETER™ display that indicates the appropriate sensitivity setting with the vehicle positioned on the loop. The 10 sensitivity settings allow for finer adjustment of the detection level, while the 4 frequency selections provide greater flexibility in preventing crosstalk in multi-loop applications.

ULT-MVP-2



Model Table

FEATURE	ULT-MVP-2
Presence/pulse output	•
AB logic	•
Detect-On-Stop	•
ABS	•
Normal/infinite presence	•

US Wiring European Wiring

DESCRIPTION	ULT-MVP-2U	ULT-MVP-2E
Power	1	1
Power	2	2
Channel 1 loop	7	3
Channel 1 loop	8	4
Channel 2 loop	10	5
Channel 2 loop	11	6
Channel 2 NO contact	3	7
Channel 2 common contact	9	8
Ground	4	9
Channel 1 NO contact	6	10
Channel 1 common contact	5	11



HAR-11



LD-11



PR-XX



ULT-MVP-2

Technical Data

Sensitivity	10 levels, 0-9
ULTRAMETER™ Display	Indicates optimum sensitivity level, 0-9 Diagnostic aid
Loop Frequency	4 settings (low, med-low, med-hi, high)
Loop Inductance	20...2000µH (Q factor > 5)
Grounded Loop	Isolation transformer allows operation with poor quality loops
Automatic Tuning	Detector tunes to loop on power-up and following frequency count function
Environmental Tracking	Automatic compensation
Surge Protection	Loop circuitry protected by surge suppressors
Channel 1 Relay	SPST relay contacts (form A)
Channel 2 Relay	SPST relay contacts (form A)
Contact Rating (Resistive Load)	2A @ 30VDC, 0.5A @ 125VAC
Detect / Channels 1 and 2	Red LED
Detect-On-Stop™	Requires vehicle to stop for a minimum of 1 second (1-2s typical)
ASB (Automatic Sensitivity Boost)	Increases sensitivity after initial detection to prevent dropout due to high-bed vehicles
Power	12...60 VDC (Max. 1.0 VA) 12...240 VAC (48...62Hz) (Max. 2 VA)
Operating Current	37mA standby / 55mA detect
Operating Temperature	-40°C...82°C (-40°F...180°F) 0...95% relative humidity
Dimensions (L x W x H)	73mm (2.9") x 38mm (1.2") x 78mm (3.1")
Weight	0.25 lbs. (113 g)
Housing	ABS plastic, IP30
Connections	Socket mount - 11 pin male (JEDEC B11-88)

Ordering Information

- ULT-MVP-2U Ultra MVP Multi-Voltage Vehicle Loop Detector, dual channel AC/DC, US wiring
- ULT-MVP-2E Ultra MVP Multi-Voltage Vehicle Loop Detector, dual channel AC/DC, EU wiring
- HAR-11 3 foot 11 pin harness
- LD-11 11 pin socket base DIN rail mount
- PR-XX EMX Lite Preformed Loop (XX- specify size)

