ULTRALOOP – ULT-PLG

PLUG-IN STYLE VEHICLE LOOP DETECTOR

eco
0.4 VA

Applications

The ULTRALOOP™ plug-in vehicle loop detector combines small size with the full-featured functionality of the standard ULTRALOOP product line in a plug-in module. The ULT-PLG provides a solid-state output indicating vehicle presence. A second output can be used for presence, loop fault or pulse on entry/exit. The detector provides options for automatic sensitivity boost (ASB), delay, secondary output functions, fail-safe/fail-secure, infinite/normal (5 min.) presence and the NEW....DETECT-ON-STOP™ or (DOS®) feature. DOS® will allow detection only when a vehicle has come to a complete stop on the loop. This is a worldwide unique feature to EMX detectors. It is a major advantage if you want to ignore cross traffic in tight spaces.

The ULT-PLG 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 for 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-PLG

EMX
INDUSTRIES

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The ULT-PLG is compatible with a wide variety of gate operators including:
- Advanced Access Automation/FAAC CSL2000, CSW2000, RSW1000
- All-O-Matic SL100-DC
- Chamberlain/Elite SL3000,CSW200
- Intelligate Systems IQ500, IQ5000
- Linear (OSCO) with APeX controller
- PowerMaster operators with PowerMaster controllers
- Rotary Gate Systems SL 1000C, SL 1000I, SL 1000R
- SECOM late model operators with 10 pin Molex connectors
- Tymetal TYM 1000, TYM 2000
- Viking Access L-3, F-1, T-21, H-10, B-12, Q-4

Model Table

FEATURE	ULT-PLG
Presence output	•
Second output	•
Pulse entry/exit	•
ABS	•
Detect-on-Stop	•
Normal/infinite presence	•
Loop fault output	•

Connections

PIN	ULT-PLG
1	Loop
2	Loop
3	Power +
4	No connection
5	No connection
6	Output B
7	Output B inverted
8	Presence output
9	Power +
10	Common

PR-XX (lite preformed loop with lightning protection)

ULT-PLG

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
Detect output	Solid-state (open collector)
Output B	Solid-state (open collector)
Output B inverted	Solid-state (open collector)
Power / loop fault indicator	Green LED
Detect / frequency count indicator	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	12VDC…24VDC
Operating current	15 mA
Operating temperature	-40˚C…82˚C (-40˚F…180˚F) 0…95% relative humidity
Dimensions (L x W x H)	3.0”(76mm) x 0.9”(22mm) x 2.75”(70mm)
Weight	0.15 lbs. (68 g)
Connector	10-pin female

Ordering Information
- **ULT-PLG** Ultra PLG Vehicle Loop Detector, dual output
- **PR-XX** EMX Lite Preformed Loop (XX-specify size)

CE

MADE IN USA