

Ultra V-2 D-TEK

PLUG-IN STYLE VEHICLE LOOP DETECTOR

Applications

The Ultra V-2 D-TEK™ vehicle loop detector combines small size with the full-featured functionality of the standard D-TEK product line in a plug-in module. The Ultra V-2 provides a solid-state output indicating vehicle presence. A second output can be used for presence, loop fault or pulse on entry /pulse on exit. Ultra V-2 provides options for automatic sensitivity boost (ASB), delay, and secondary output functions, fail-safe/fail-secure and infinite and normal (5 min.) presence.

The Ultra V-2 is compatible with a wide variety of gate operators including:

- Chamberlain/Elite SL3000,CSW200
- Advanced Access Automation CSL2000, CSW2000, RSW1000
- All-O-Matic SL100DC, SL 150DC, OH 200DC, SW 300DC, SW350DC
- Intelligate Systems IQ500, IQ5000
- Linear (OSCO) SL & SW Series with APeX controller
- SECOM Late model operators with 10 pin Molex connectors
- Viking Access Models L-3, F-1, T-21, H-10, B-12, Q-4

In addition to the compact size and enhanced functionality, the Ultra V 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.

D-TEK



Model Table

FEATURE	Ultra V-2
Presence output	•
Second output	•
Pulse entry/exit	•
ABS	•
Delay	•
Normal/infinite presence	•
Loop fault output	•

Pin Assignments

PIN	Ultra V-2
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 (light preformed loop with lightning protection)



ULTRA V-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
Detect output	Solid-state
Output B	Solid state
Output B inverted	Solid state
Power / loop fault indicator	Green LED
Detect / frequency count indicator	Red LED
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

- Ultra V-2 Vehicle Loop Detector, dual output
- PR-XX EMX Lite Pre-formed Loop (XX- specify size)