

DAK-2ULTMVP

DRIVE-THRU ALERT KIT

The DAK-2ULTMVP drive-thru alert kit provides audio and visual indication to team members that need to know when a customer's vehicle has pulled into the drive-thru lane. This system can be used in a wide variety of drive-thru applications that require 2 detection zones, including fast food restaurants, banking, and car wash.

DAK-2ULTMVP includes:

- Two EMX ULT-MVP Vehicle Detectors with LD-11 Connectors
- Two EMX PR-46-100 Induction Loops
- One SLM500B LED Beacon and Sounder with SLMBW-012-024GY Wall Mount Bracket
- One 120VAC to 24VDC Power Supply
- NEMA 1 Electrical Enclosure

The panel inside the junction box will have the transformer and ULT-MVP vehicle detectors mounted and prewired. Terminal blocks inside the panel will be available for easy connection of incoming power (120 VAC) and wire connections to the PR-46 loops and LED beacon. All of the vehicle detectors and the LED beacon will be preprogrammed.

The ULT-MVP is a multi-voltage vehicle detector that will automatically adjust from 12 VDC up to 240 VAC to fit any installation. The ULTRAMETER™ display indicates the appropriate sensitivity setting to detect a vehicle near the loop. Ten sensitivity settings allow for fine adjustment of the detection level, while four frequency settings provide flexibility in preventing crosstalk in multi-loop applications. The ULT-MVP provides two relay outputs – one for indicating vehicle presence and a second for loop fault, pulse on entry/exit or DETECT-ON-STOP™. DOS® allows detection only when a vehicle has come to a complete stop on the loop. This EMX exclusive feature ignores cross traffic in tight spaces.

The PR-46-100 is a ready to use, preformed loop with a 100 foot lead that can be shortened or spliced to extend as needed. The loop is housed in rugged and flexible 0.26" diameter thermoplastic rubber tubing and provides built-in lightning protection. It is suitable for all installations – saw cut, concrete, and tar.

The SLM500B is a LED beacon and sounder with three separate levels of alarm. Channel 1 includes a simulated strobe (triple flash). Channel 2 adds an audible tone (32 options included) to the simulated strobe effect. Channel 3 includes a steady light and a second, unique tone (32 options included) for a total of 64 unique tones. The volume of the tone is adjustable from 65-105 dBa.

DAK-2ULTMVP



ULT-MVP 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 to 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
Presence Relay	SPDT relay contacts (Form C)
Output B Relay	SPDT relay contacts (Form C)
Contact Rating (Resistive Load)	2 A @ 30 VDC, 0.5 A @ 125 VAC
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 (1-2 seconds typical)
ASB (Automatic Sensitivity Boost)	Increases sensitivity after initial detection to prevent dropout due to high-bed vehicles
Power	12 to 60 VDC (Max. 0.8 VA) 12 to 240 VAC (48 to 62 Hz) (Max. 1.4 VA)
Operating Current	20 mA standby/ 50 mA detect
Operating Temperature	-40°F to 180°F (-40°C to 82°C) 0 to 95% relative humidity
Dimensions (L x W x H)	2.9" (73 mm) x 1.2" (38 mm) x 3.1" (78 mm)
Weight	0.25 lbs (113 g)
Housing	ABS plastic, IP30
Connections	Socket mount - 11 pin male (JEDEC B11-88)

PR-46-100 Technical Data

Operating Temperature	-8°F to 194°F, -22°C to 90°C
Overall Diameter of Loop Wire	0.26"
Loop Dimensions	4x6"
Lead-In Wire	100' twisted wire in PVC jacket
Loop Wire Approvals	UL TC, PLTC, FPL or NPLF 300/600 Volt 40 mil nylon PVC direct burial

SLM500B Technical Data

Voltage	12-24 VAC/DC
Flash Rate / Minute (Flash Mode)	85 (+/- 10)
3 Channels Included	1: Simulated strobe 2: Simulated strobe + tone 1 3: Steady light + tone 2
Decibels @ 1 M	Min. 65, Max. 105
Max Operating Current	460 mA @ 24 VAC/DC
Material	Polycarbonate, Type 3R, IP65 enclosure
Weight	Beacon: 7.05 oz (0.20 kg) Bracket: 6.70 oz (0.19 kg)
Light Source	50,000 hour LED
Operating Temperature	-22°F to 122°F, -30°C to 50°C
Certifications	CE, cUL listed

Ordering Information

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 - Two EMX PR-46-100 Induction Loops
 - One SLM500B LED Beacon and Sounder with SLMBW-012-024GY Wall Mount Bracket
 - One 120VAC to 24VDC Power Supply
 - NEMA 1 Junction Box

