



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



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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

- DAK-2ULTMVP Drive-Thru Alert Kit, 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 Junction Box

WARRANTY EMX INC. the product described herein for a period of 2 years under normal use and service from the date of sale to our customer. The product will be free from defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser from incorrect connections, or lightning damage. There is no warranty of merchantability. There are no warranties expressed, implied or any affirmation of fact or representation which extend beyond the description set forth herein. EMX Inc. sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at EMX's option of a part or parts not so conforming to the warranty. In no event shall EMX Inc. be liable for damages of any nature, including incidental or consequential damages, including but, not limited to any damages resulting from non-conformity defect in material or workmanship. Rev 1.0 11/12/2020

