



DAK-USVD

DRIVE-THRU ALERT KIT

The drive-thru alert kit is comprised of two components: the CHIME-100 sound module, which provides an audio indication to team members and the USVD-4X ultrasonic vehicle detector, which detects the presence of a vehicle. This system can be used in a wide variety of drive-thru applications, including parking, access control, car wash, banking and fast food.

The CHIME-100 provides an audible chime when a vehicle first pulls in front of the vehicle detector. It is a compact, audio alert device designed for loud work environments. The CHIME-100 has an adjustable volume control and can reach volumes of 100 dBA at 5 ft away making it easy to hear in noisy areas. It is easy to install with two mounting tabs and includes 25 ft of durable cable for connection to the USVD-4X. The CHIME-100 also features an output relay for daisy-chaining additional electronics and 6 melodies to choose from.

The USVD-4X is mounted on a post, order box, or the side of a building and aimed at the desired location for vehicle detection. No additional set-up or functional adjustments are necessary – unlike other vehicle detection systems. Also unlike other technologies, the USVD-4X does not require the installation of an inductive loop in the pavement. The detection head consists of 4 ultrasonic transducers that connect to the internal microprocessor-based control board. The USVD-4X “scans” the expected location for a vehicle and activates its output upon detection of a vehicle. It operates on 2-24 VDC/AC and provides two Form C relay contacts for vehicle presence detection, as well as Pulse on Entry, Pulse on Exit, or both.

DAK-USVD



Drive-Thru Alert Kit

- Audible chime in loud work environments
- Easy set-up for streamline operation
- Ultrasonic vehicle detection technology
- Auxiliary relay settings – Pulse on Entry, Pulse on Exit, or both
- Output delay option for 1, 2 or 4 seconds



CHIME-100



USVD-4X



CHIME-100 Technical Data

Supply Voltage	9 VDC
Dimensions	4.5" (114 mm) x 3.25" (83 mm) x 1.58" (40 mm)
Weight	0.35 lbs
Housing	Polycarbonate
Maximum Volume	100 dBA @ 5 ft
Melody Options	6
Included Cable	25 ft – 5 conductors (0.25" outer diameter)

USVD-4X Technical Data

Sensing Elements	4 ultrasonic transducers
Operating Range	1-5 ft
Response Time	2.0 seconds
Relay Output Configuration	2 SPDT (Form C)
Relay Contact Rating	1 A @ 24 VDC
Power Indicator/No Vehicle	Green LED
Object In Range	Flashing green LED on each input, continuous LED on detect
Supply Voltage	12-24 VDC/AC
Operating Current	60 mA
Operating Temperature	-40°C to 85°C (-40°F to 182°F)
Dimensions	5.7"(145 mm) x 3.6"(90 mm) x 2.3"(57 mm)
Weight	0.6 lbs (275 g)
Housing	ABS NEMA 4X
Connection	10 position terminal block



Ordering Information

- DAK-USVD Drive-Thru Alert Kit, includes USVD-4X ultrasonic vehicle detector and CHIME-100 sound module with volume control

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 10/29/2020

