

# VMD AC/DC

For low Voltage, Battery & Solar Applications

## Applications

- Safety detects moving vehicles in an industrial environment where there are blind areas along the driving path and actuates warning lights.
- Energy Conservation detects vehicles along a driving path and turns light on only in the proximity of the moving vehicle.
- Security detects approaching vehicles or an unauthorized movement of a parked vehicle and actuates alarms, video cameras or annunciator.
- Access Control (free exit) vehicle detector for gates, overhead doors and parking barriers.
- Driveway Annunciator may be tied to the doorbell announcing the approach of a vehicle entering the driveway

# VMD



### EMX Industries, Inc.

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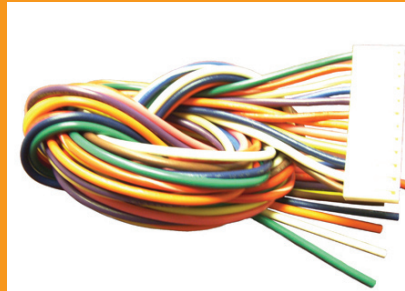
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## Indicators & Controls

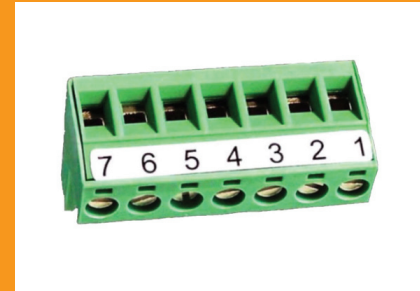
- The VMD draws 4 mA current in standby mode to help lower power needs for solar applications
- Easier integration into security control panels or gate and door operators with the small 3.0" x 0.9" x 2.75" housing.
- All controls mounted on the front panel of the unit providing for easy access and operation.
- The VMD operates on 9 – 24 VDC or 24 VAC
- May be wired stand-alone using the included LD-7P terminal block
- May be installed on the EMX ULTRA II-MB by simply plugging it in and hooking up a probe



Probe-XX  
(Probe XX= lead wire length)



HAR-12-2  
(Harness for ULTRA II-MB)



LD-7P  
Plug in terminal block for VMD or ULTRA II

## Technical Data

<b>Range sensitivity</b>	15 ft. diameter around probe (7.5 ft. radius)
<b>Sensitivity Adjustment</b>	Dependent on mass and speed
<b>Output on Time Adjustment</b>	0.5...6 seconds 0.15 lbs. (68g)
<b>Surge Protection</b>	Probe input circuitry protected by surge suppressors
<b>Relay Output Configuration</b>	Form C (SPDT)
<b>Relay Contact Rating</b>	1A @ 24VDC, 1A @ 120VAC
<b>Detect Indicator</b>	Red LED
<b>Power Indicator</b>	Green LED
<b>Power</b>	9...24VDC or 24VAC (do not exceed 35V <sub>peak</sub> )
<b>Standby Current</b>	4mA
<b>Detection Current</b>	50mA
<b>Operating Temperature</b>	-40°C...82°C (-40°F...180°F) 0...95% relative humidity
<b>VMD™ Housing Material</b>	ABS (plastic)
<b>VMD™ Dimensions (L x W x H)</b>	3.0"(76mm) x 0.9"(22mm) x 2.75"(70mm)
<b>VMD™ Weight</b>	0.15 lbs. (68 g)
<b>Probe Housing Material</b>	PVC water-tight
<b>Probe Dimensions (L x Dia.)</b>	17" (432mm) x 1" (25mm)
<b>Probe Cable</b>	3-wire, shielded, direct burial

## Ordering Information

- VMD AC/DC 9-24 VDC 24 VAC
- LD-7P 7 Accessory control add on board
- ULTRA II-MB Accessory control add on board
- 130-10020316 ULTRA II MB mounting plate
- HAR-12-2 12 Pin Harness with 2 feet wire
- Probe-XX XX = Lead length (example Probe-50 = 50 foot lead)

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 2.1 11/24/09