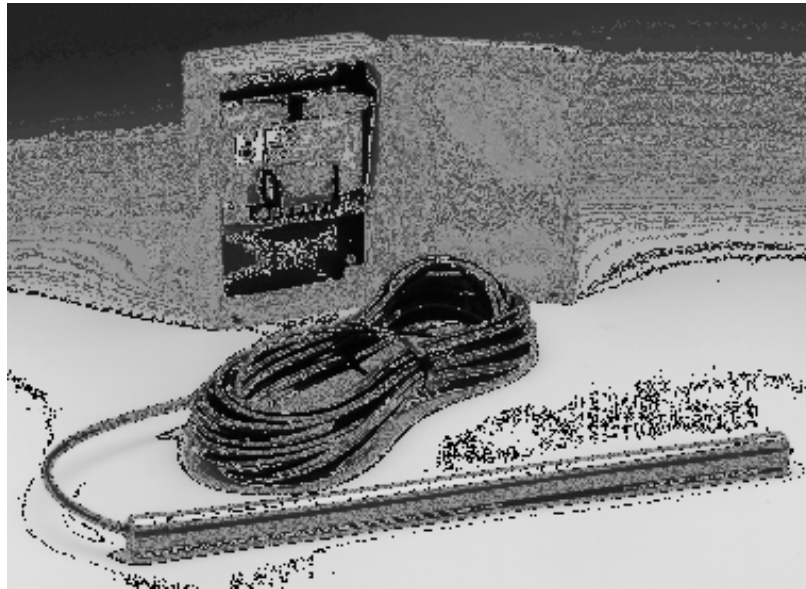


VEHICLE SENSOR SYSTEMS

DATA SHEET

MODELS D475AR BATTERY OPERATED SYSTEM



FEATURES

Mounted in **ABS watertight enclosure.**

Lithium batteries for long life and reliable all-weather operation.

Form A Relay (Normally Open, close on detection), dry contacts rated 1.0A carry, 0.3A switching.

RFI and Surge Protection built in.

Accessible above-ground electronics, user replaceable batteries.

The Model D475AR Vehicle Sensor System uses a passive sensor that detects changes in the magnetic field caused by moving ferrous metal objects such as a car, truck or bus. The sensor can be buried in dirt adjacent to a paved roadway, or it can be placed in asphalt or concrete under the path of the vehicle. The sensor provides a circular detection area of up to about 15 feet (4.5m) in diameter, depending on the speed and size of the vehicle. The detection area is larger with larger, faster vehicles.

The D475AR Vehicle Sensor System, in conjunction with a radio transmitter/receiver, is ideally suited to those applications where no power is available at the end of the driveway, trenching is impractical, or the length of the driveway makes trenching too expensive. It is also ideal as a free exit or entry for solar-powered gate operating systems; the size of the solar panel/battery is only dependent on the power requirements of the operator.

System Description and Technical Specifications

D475AR Vehicle Sensor System

This system has the same detection and operating characteristics as the D475A Vehicle Sensor System with the exception of the Output function. The D475AR contains a Form A reed relay (Normally Open, closed on vehicle detection) that provides a dry contact closure. The contacts are rated at 10VA (AC) or 10W (DC) max. A separate 9V lithium battery is used to energize the relay.

Technical Specifications

Input Power	None required, two 3.6V 1.2AH lithium batteries included
Relay Power	9V lithium battery included
Relay Contact Rating	AC: 10VA, DC: 10W. Switching: 300ma max. Carrying: 1A max
Relay Latch Time	About 2 seconds
Temperature	-30°F to +130°F (-34°C to +54°C)
Enclosure	ABS Watertight, beige, 6 x 8 x 3

Also Available From MFM Sensors Inc.

Model D373 Deluxe Vehicle Sensor System. Two relays, built-in buzzer, battery charge circuit.
Model D376 HiValue Vehicle Sensor System. Utility system-one relay, LED, AC or DC power.

All MFM Sensors products carry a one year, hassle-free limited warranty. Qualified toll free technical assistance is available during normal office hours. Our products are proudly made in the USA.
