

Waterproof Backup Sensor Reversing System

RVS-112-W

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The RVS-112-W Vehicle Reversing Aid is an automatic backup alert system that warns drivers of potential obstacles behind their vehicle - up to 8ft away! The cables, control module, and sensors are all waterproof, allowing you to install all components outside the vehicle. Using ultrasonic echo location sonar technology the system is activated when the driver engages reverse gear. A 4 zone variable audio pulse alerts the driver of potential obstacles. The audio pulse intensity increases and the audio frequency changes as the vehicle backs closer to the obstacle. As with all sensing systems there are blind areas in the sensing patterns due to the cone or triangular nature in the way the sonar pulse is emitted. Whenever an object moves from a covered area and into one of these blind areas a special warning alert message and a very loud tone will be transmitted twice or until the operator takes the vehicle out of reverse. This is especially helpful for detecting moving objects such as a pedestrian, an animal, a forklift or other moving vehicles that may be behind your vehicle and in harms way. These intelligent sensors automatically ignore stationary, permanent objects, such as truck steps, up to 30cm away. This gives you flexibility for installation location. Please install interface of module towards the ground to reduce dust during use.

Note: In addition to ground and reverse (trigger) power, you must also connect the RVS-112-W to a constant power source.

The RVS-112-W only works with certain model numbers, please call us before ordering to make sure its compatible.

Sensor Specifications

Sensor Type	Analog Sensor
Sensor Quantity	4 Sensors
Sensor Frequency	40kHz +/- kHz
Waterproof Rating	IP68
Static Capacitance	2000± 15%pF
Input Voltage max.	140 Vp-p {at 40KHz}
Decay Time	<1.2ms
Decay Parameter	20±3 (Admissible parameter)
Echo Sensitivity	>200mV
Horizontal Angle	51°
Vertical Angle	62°
Detection Range	0.22mm (0.08ft) to 2.5m (8ft)
Working Voltage	10.0 ~ 28.0 VDC
Rated Current (ECU)	60mA max
Wiring Harness	Vehicle Spec. T-Piece
Working Temperature	-40°C ~ +75°C

Waterproof Control Module

Normal Voltage	12 VDC
Operating Voltage	1.0 ~ 28 VDC
Rated Current	60 mA
Operating Frequency	40 +/- 1 kHz
Housing Material	ABS
Housing Color	Black
Working Temperature	-40°C ~ 75°C
Storage Temperature	-40°C ~ 90°C
Waterproof Rating	IP65