Drive-Alert
Vehicle Detection Systems

PROUDLY MADE IN THE USA
FOR OVER 25 YEARS!

DA-100 DRIVE-ALERT INSTALLATION MANUAL

Detect vehicles and monitor areas and assets at your...

...Home

...Farm

...Workshop

...Remote Buildings

...Equipment

...Drive-Up Window

THE BASICS

A sensor detects any vehicles entering a monitored area

Also detects assets moving such as trailers, RVs, tractors, boats, or anything a sensor is attached to.

A control panel receives a signal from the sensor and triggers an internal chime with volume control

DA-100
Kit includes:

- One DA-100CP control panel and receiver with a built-in chime with volume control
- One DA-611TO sensor and transmitter with 50 feet of cable

DA-611TO DA-100CP

MORE OPTIONS

Add chime alerts to multiple areas or buildings by adding additional DA-100CP control panels

Monitor multiple areas, lanes, driveways by adding additional DA-610TO or DA-611TO sensor/transmitters

Use these systems in conjunction with Mier's other wireless Drive-Alert systems such as DA-600s or DA-605s

Option shown here includes:

- One DA-100CP control panel and receiver with a built-in chime with volume control
- One DA-610TO sensor and transmitter with the sensor *inside* the transmitter box

DA-610TO DA-100CP

Mier PRODUCTS, INC.

Free Lifetime Technical Support
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INTRODUCTION AND INSTALLATION GUIDE

Mier Products' DA-100 Drive-Alert gives you easy and economical wireless installation.

DA-100CP

The DA-100CP Control Panel Includes:

- Wireless receiver board inside a durable metal enclosure
- Internal chime with on/off switch and full-range volume control knob

The DA-611TO Sensor/Transmitter and optional DA-610TO Sensor/Transmitter feature:

- The DA-611TO comes with the sensor *outside* of the transmitter enclosure attached with 50' of cable. Longer lengths of cable are available. Burying the cable and sensor within a PVC pipe is recommended to protect and prolong cable and sensor life.
- The optional DA-610TO includes the sensor *inside* a larger transmitter enclosure (no cable).
- Mier's sensors detect any disturbance in the magnetic field (moving vehicles) and not people or animals. The sensors are even able to detect through walls made of standard building materials.
- A wireless transmitter board is within the NEMA 4X outdoor enclosure, and is powered with two (2) 1.5 volt AA (LR6) Alkaline batteries. When the sensor is tripped, it sends a signal to the control panel. NOTE: Typical battery life at a residential installation is over 3 years, and over 1 year at a drive-up window application.

DA-611TO

All Mier Wireless Vehicle Detection Systems feature:

- UL Listed 24 volt DC wall transformer (115VAC)
- Normal reception over 1000 feet line-of-sight
- Use of an unlimited number of Mier's Wireless Sensor/Transmitters or Mier Control Panel/Receivers
- 100% compatibility with any of Mier's Wireless Sensor/Transmitters and Wireless Control Panels

Optional DA-610TO shown open to show the sensor *inside* the transmitter box.

Before Installation, perform the following bench-test steps:

1. Apply power to the DA-100 Control Panel/Receiver. Turn the volume switch up at least halfway, and check that the GREEN Power LED is on.
2. Remove the cover from the DA-611TO or DA-610TO. DO NOT wipe off the silicone grease which adds an additional layer of environmental protection.
3. Install two (2) 1.5 volt AA (LR6) Alkaline batteries, observing proper polarity.
4. Turn on the DA-611/10 Power switch. The RED Transmit LED should come on and the DA-100CP should chime. NOTE: Some early models of the DA-611TO may not have a power switch or red LED. These units become active as soon as the batteries are installed.
5. Reinstall the cover being careful not to over tighten the screws which could crack the cover.
6. Turn off the DA-100 Control Panel after confirming that it chimed in Step 4.

EASY Installation is often completed in under 30 minutes!

1. Place the DA-611TO sensor/probe, or the entire DA-610TO, within 3 feet of the drive or area you wish to monitor, parallel to the traffic for best performance.
2. The sensor should be at least 30 feet from power lines and 40-50 feet away from street traffic if possible. Call our free Tech Support if it is a drive-up window or short drive installation.
3. The sensors detect up to 14' in every direction if sensitivity is set at maximum.
4. The DA-611TO sensor and cable may be buried 2-12 inches underground (AFTER On-Site testing above ground for a few days). Excess cable may be coiled and/or buried. The Transmitter box should be mounted at least 5 feet above ground.
5. If using a DA-610TO, and it is mounted on the ground, expect a 500 foot transmission range. If a DA-610 is mounted 3-5 feet high, then you may expect transmission range of over 1000 feet. A DA-610TO MUST be mounted securely, as it will signal an alarm whenever it is moved. For example, mounted on a tree that sways in the wind will cause false alarms.
6. Set up the DA-100CP Control Panel/Receiver 5+ feet above ground inside the home/building, turn on the volume at least halfway, and make certain the green LED power light is on.
7. Test the installation using a vehicle travelling at least 5 MPH. Once satisfactory performance is achieved, then permanently mount all equipment.

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