

DA-100 Drive-Alert

now with *new* Zone Control and Alert Tone Selection features

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

The DA-100 is a COMPLETE KIT which includes:

- One DA-100CP Control Panel receiver with built-in chime, volume control, and three choices of chimes
- One DA-611TO Sensor/Transmitter with 50 feet of cable
- Zoning Control to monitor up to three different areas, and provide a different tone for each. (NOTE: additional Sensor/Transmitters are needed for each additional area to monitor)

DA-611TO
Sensor/Transmitter



DA-100CP
Control Panel



MORE OPTIONS

The DA-100 allows you to monitor up to three separate areas with one receiver! Monitor multiple areas, lanes, driveways by adding additional DA-610TO or DA-611TO sensor/transmitters in each area.

You may also add additional alert chimes to multiple buildings by adding additional DA-100CP control panels in those areas.

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

Optional set-up shown here includes:

- One DA-100CP Control Panel receiver
- One DA-610TO Sensor/Transmitter with the sensor *inside* the transmitter box

DA-610TO
Sensor/Transmitter



DA-100CP
Control Panel



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

The DA-100CP Control Panel Includes:

- Wireless receiver board inside a durable metal enclosure
- Beginning mid-2018, an Alert Chime Select Switch allowing users to choose from three (3) different chime alerts
- Internal chimes with on/off switch and full-range volume control knob

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

- 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.



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
- By selecting the ZONING FEATURE (see page 3, the three separate tones will alert for three (3) different driveways or areas)

Before Installation, perform the following BENCH TEST steps:

1. Apply power to the DA-100PLUS 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-611TO or DA-610TO power switch. The RED Transmit LED should come on and the DA-100PLUSCP 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.

See next page for EASY Installation Instructions...



DA-611TO
Sensor/Transmitter with external sensor



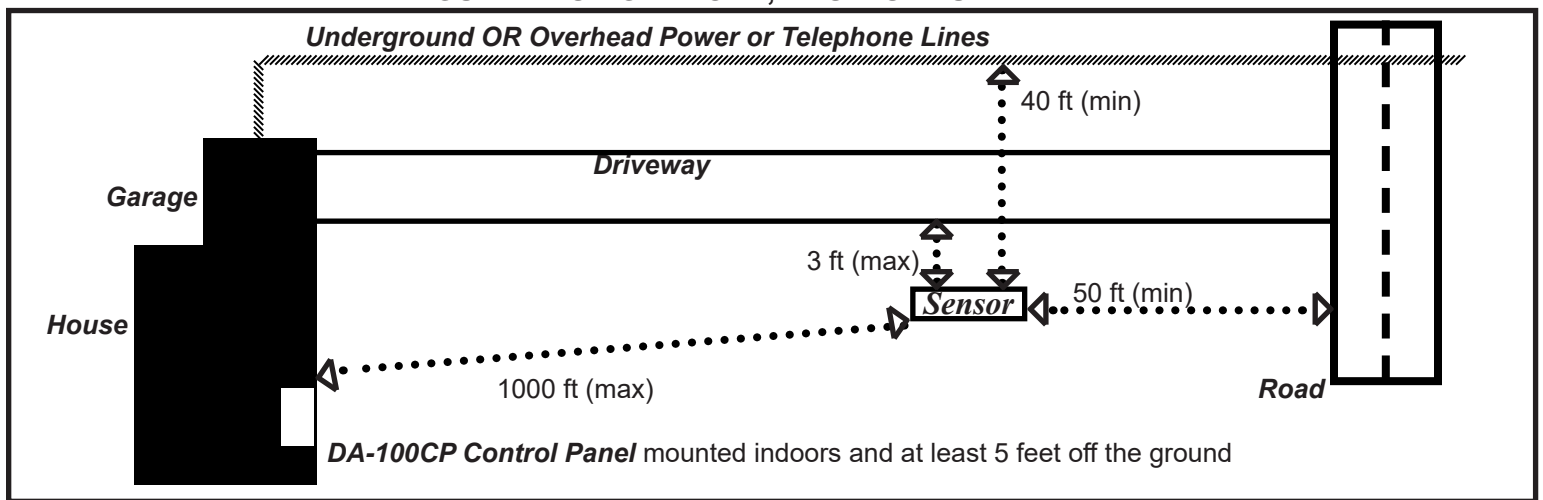
DA-610TO
Sensor/Transmitter with internal sensor

EASY Installation is often completed in under 30 minutes!

1. AFTER BENCH TESTS FROM PAGE 2 ARE COMPLETED: **install the DA-611TO Sensor/Transmitter, or the entire DA-610TO**, within 3 feet of the drive or area you wish to monitor, parallel to the traffic for best performance. (See Figure 1 and Examples below)
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. (See Figure 1 below)
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. (See Figure 1 below)
7. Test the installation using a vehicle travelling at least 5 MPH. Once satisfactory performance is achieved, then permanently mount all equipment.

Easy Installation continued on page 4...

FIGURE 1 - SINGLE ZONE, BASIC SET-UP EXAMPLE



Sensor/Transmitter Installation Examples



At the base of a pole



3-foot high for greater range



Under landscape next to the drive



Under a DA-ROCK1 fake rock next to the drive



DA-611TO transmitter box in a *sturdy* tree for greater range

Free Lifetime Technical Support

800-473-0213 ~ info@mierproducts.com ~ www.mierproducts.com

EASY Installation continued...

8. **Changing Chime Selection:** To select an alert chime sound in the Control Panel manual mode, move the tone-select switch to one of the three available tones. No. 1 position is a “ding-dong”, No. 2 position is a “ding-ding-ding” and the No. 3 position is a “dong-ding-dong” alert. (See Figure 2)
9. **Zoning Set-Up:** To utilize the Zone features, remove the two (2) screws from the chassis, pull off the cover, and locate the JP3 Jumper-Header on the Zoning Pin, and pull the Jumper-Header off (see #9 on Figure 3 below). Then replace the cover on the enclosure. In the Zone Mode the receiver will provide a different tone for up to (3) different transmitters monitoring (3) different driveways. Additional DA-611TO or DA-610TO Sensor/Transmitters will be needed for each additional zone to be monitored (see Figure 4). *NOTE: The tone-select switch is disabled in the zone mode: the tone select is automatic.*
10. **Equipment Addressing:** The Control Panel AND the Sensor/Transmitter are already set for the default address mode from the factory, with NO Jumper-Headers on the address pins. IN THE RARE CASE of a neighbor’s system is interfering with your system, use the Jumper-Headers to select different address pins for your system. Make certain they are the same in BOTH your Control Panel AND Sensor/Transmitter. You can place a Jumper-Header on one set of pins, or the other, or on both sets of pins depending on how many other system addresses are nearby. (see #10 on Figure 3 below)

