

# Trouble-Shooting Hints

Here are some suggestions to determine if your Drive-Alert System requires service. Most problems can be readily isolated.

## **Intermittent, constant alarm**

When an intermittent or constant alarm occurs, disconnect the plug from the 120-volt power. Open the door to models DA-503 or DA-504 and disconnect the red and black sensor wires from the terminal strip. Reconnect the 120-volt power. Observe the LED (red light - No. 2) on the circuit board identified as Noise Blanker. It will remain on for about 1 minute, then go out. Thereafter, the alarm should be silent. **DO NOT TOUCH** the R and B terminals during this time. If the alarm sounds as soon as this LED goes out, the unit is malfunctioning and should be returned for repair.

## **When no alarm sounds**

When no alarm sounds, check the LED (red light - No. 1) on the printed circuit board identified as Drive-Alert Control Panel Board. If it does not glow, check the 1 amp fuse on the circuit board - near the black relay. If open, replace with another 1 amp fuse. If red light remains out, check for AC power at the AC outlet. If power is present, the unit is malfunctioning and should be returned for repair.

## **Checking sensor probe**

To check the sensor probe for false alarm conditions, disconnect the red, black and silver wires from the terminal strip. Use an ohmmeter to measure sensor coil resistance. Measure red to black leads, which should read 700-1200 ohms. When two or more probes are in series add the resistance for the correct value. Two probes would equal 1200 ohms. If resistance is correct, measure the leakage resistance from the red lead to the silver (shield) lead. The meter should show infinite resistance as though no connection exists. Use a high resistance ohmmeter. If analog, x 10,000 range. If digital, unit should have a 40 million-ohm capability. Any meter deflection that shows indicates moisture has entered the cable through a break in the outer insulation and the red and black conductors. Digital meters and analog meters with a low range may not indicate a problem when the leakage resistance is 2 to 10 million ohms (this can cause false alarms).

## **Checking remote modules**

If one of the remote modules, a Remote Chime, Lamp Module, or Wall Light Switch does not activate when the Drive-Alert senses a vehicle, generally the problem is the codes are not properly set. First, make certain that the Unit Code and House Code on the remote device is set to correspond with those same codes on the Powerhouse Interface in the Master Control panel. If you have the DA-504 Drive-Alert, the Powerhouse on the left controls the transmission of signals to Lamp Modules and Wall Light Switches. The Powerhouse on the right controls signals to the Remote Chimes. Secondly, make certain the Input and Mode on the Powerhouse Interfaces are set correctly - the one on the left should be Input A and Mode 1, and the one on the right should be Input A and Mode 3.

**Need Technical Support - Call us at 1-800-473-0213  
Monday-Friday from 8:00 am - 5:00 pm EST**



# Explanation of LEDs

Explanation of LEDs (red lights) used in DA-503 and DA-504 Drive-Alert Systems. See numbers marked on illustrations.

**No. 1** - This light glows as long as power is available and the internal fuse is good. Models DA-503 and DA-504.

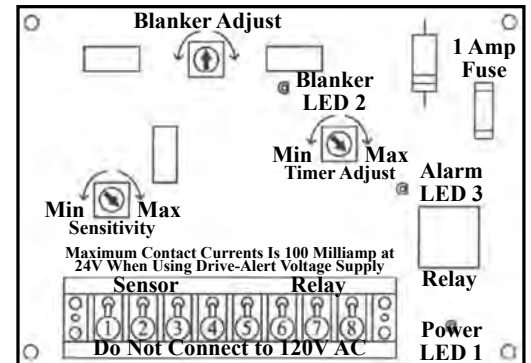
**No. 2** - In normal operation, this light will not activate. It will glow for one minute when the Master Control is first powered up. Models DA-503 and DA-504.

**No. 3** - This light glows each time the Drive-Alert detects a vehicle, and will remain on for 3-5 seconds, then goes out. Models DA-503 and DA-504.

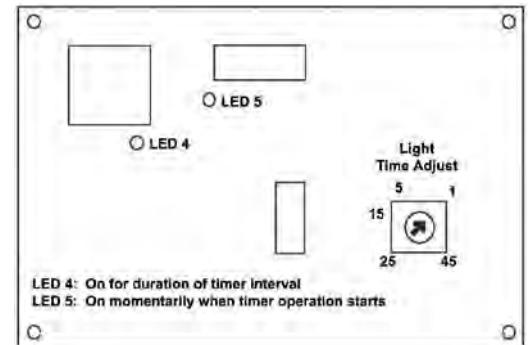
**No. 4** - This light glows for the period of time the Timer Control board is set, but comes on only after No. 2 light goes out. Model DA-504.

**No. 5** - This light glows momentarily as the timing function begins then goes out. Model DA-504.

## Master Control Panel Adjustments



## Timer Board Adjustments



RED	BLK	SHLD	NEG	+24V	NO	NC	C
				UNREG			
--- SENSOR ---				--- RELAY ---			
1	2	3	4	5	6	7	8
DO NOT CONNECT TO 120V AC							



**Connect the sensor's red, black and shield wires to the clearly marked terminals in the control panel.**

# Buried Sensor Drive-Alert Trouble Shooting Trees

*Note: Falsing = Sounding alerts with no vehicle present*

## DA-500/503/504

**First - Check the Power Light Is On !!!! If not replace internal 1A fuse, else send to MPI for repair!!!!**

**Second - Using DA-057 for chimes &/or lights: Check Test Button function, House & Unit codes of DA-057 & X10 module the same & DA-057 Mode = 3 for chime & 1 for lights & Input = A for DA -503/504 & 500(when using whistle & chime). DA-057 Input = B using just X10 chime (i.e. no whistle).  
If relay clicks in Control Panel but no chime &/or light then bad DA -057.**

