



A Division of:
Light Engineered Displays, Inc.
109 Portwatch Way
Wilmington, N.C. 28412
Phone: (800) 251-2512
Fax: (800) 251-9878
Internet: www.ledinc.com
Email: sales@ledinc.com

Getting Started

1. Installation of the system will be easier and more accurate if you utilize a test unit available from **AquaALERT** at no charge. This will provide for a convenient means to “map” the system as well as allow for any problems to come to the immediate attention of the installer.
2. Mount the back box on the wall.
3. Set a junction box at the starting point for the water detection cable.
4. Pull three wires, (18 ga. stranded THHN or a three conductor cable with jacket), from the J-box to the backbox. NOTE: Local codes must be followed.
5. Install the DL-SC cable to wiring interface in J-Box and connect the three wires as indicated. Run Sensing cable through the J-box and connect to interface. Use a rubber grommet or a non-metallic strain relief to protect the sensing cable.
6. Route the cable as shown on the plans. Secure the cable every five feet with a self-stick cable clamp. **MAKE SURE TO MAINTAIN AT LEAST EIGHT FEET AWAY FROM ANY HVAC UNIT!**
7. Continue to add sections to achieve the required length. Place EOL device on the end of the last section.
8. Check your connections and apply power to the system.
9. Press the TEST button. The cable length will be displayed and should be within +{ 5% of the total cable length. Please depress the TEST button for 30 seconds for proper alarm and cable length verification.

Troubleshooting Tips

Test each completed section before adding the next. Energize the test unit. With the EOL device NOT connected, a yellow Trouble indicator will light. Install EOL device and reset the test unit. The Trouble indicator should go out. If it does not, inspect your connections. If you still have a problem, please consult the troubleshooting guide (on reverse side), or consult the factory.

Troubleshooting Tips

1. When all cable is in place and there are NO Trouble conditions, the system can be mapped.

NOTE:

Leave the map switch in a normal position. You may operate the sonalert disable switch when mapping the system.

2. Use the as-installed cable plan as your guide. Go to the END of cable and make the first test 10' from the ends. Make additional tests every 10 feet. Every 20 feet is satisfactory for larger systems.

Best results are obtained by using a shallow dish of water to initiate the alarms. Make sure to start at the end of the line and continue forward until you reach the cable starting point. Dry the cable with a paper towel and reset the panel after each test. Record the footage readings on the plan. The results will be used to produce an accurate graphic map for the system.

3. When testing is complete, make sure to return the sonalert disable switch to the Normal position and operate the system reset switch.
4. Return the completed as-built plan (and test unit) to AquaALERT for final processing.



INSTALLATION MANUAL

Troubleshooting Guide

TROUBLE	PRIMARY ACTION	SECONDARY ACTION
1. Blank Display. No Power On LED.	Verify unit power switch is ON.	Verify power connections.
2. Blank Display. Power LED is ON.	This indicates Normal operation.	--
3. No audible Alarm.	Verify unit power switch is ON.	Verify Audible Alarm Disable is OFF.
4. Cannot silence the Audible Alarm.	Operate RESET switch.	Move audible DISABLE switch to ON and contact factory for service.
5. Cannot reset the DLS controller.	Cable is wet or shorted.	--
6. System TEST does not function.	Unit defective - call for service.	--
7. Incorrect distance displayed.	Water is in more than one place.	Cable under HVAC unit is wet from moisture droplets too small for Alarm.
8. Flashing Display.	Unit defective - call for service.	--
9. Cannot turn Trouble LED off.	Check cable for OPEN connections.	--
10. Incorrect display during test.	Cable routed too close to HVAC Unit.	Water detected during TEST cycle.
11. Summary alarm not transferring.	Check Summary alarm connections.	--
12. Will not detect water.	Check wiring to water sensing cable. Check cable with shorting clip.	Allow 30 sec. for alarm verification.
13. Alarms randomly when reset.	Check Humidity conditions.	Move cable from under HVAC unit.
14. Display active after reset no alarm.	Verify mapping switch is OFF.	---