

WiNG-LD Quick Start Guide



Thank you for purchasing a WiNG-LD wireless leak detection sensor. Before you install your device, consult rletech.com to ensure you're working with the most recent version of documentation available. If you need further assistance, please contact RLE Technologies at support@rletech.com.

Falcon

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RLE
Technologies

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Supplies for Installation

Included with the WiNG-LD

WiNG-LD transmitter

Wall mounting hardware

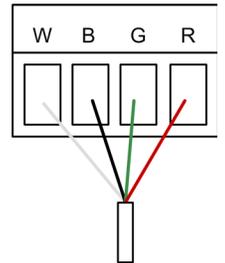
Leak detection: either an SD-Z1 spot detector or LC-Kit and sensing cable

Installation Instructions

1. The WiNG-LD can only be seen by a WiNG-MGR running firmware version 3.3.1 or newer. Access the Admin screen of the WiNG-MGR and navigate to the Firmware tab to see what version of firmware it's running. If the firmware is older than version 3.3.1, download the latest firmware from the RLE website (rletech.com) and update the firmware on the WiNG-MGR.
2. Remove the lid from the sensor enclosure. The lid has one large tab at the top and two small tabs at the bottom that secure it to the sensor base. Squeeze the top of the lid to release the large tab. Pivot the top of lid out from the base and gently separate the two bottom tabs from the base.
3. Remove the circuit board from the base to expose the mounting holes. Before you take it apart examine how the board fits into the base. You'll have to put it back into the base, so make sure you have a clear understanding of how it was assembled before you remove it.
4. To remove the board, pull the circuit board clip out to relieve the tension that holds the board in place. Angle the board up and then pull it to the right to remove it from the base. Move the board slowly and gently to get it out of

the base without damaging any circuitry.

5. For best reception, mount the enclosure base as high off the floor as you can, with the most direct/clear line of sight to the WiNG-MGR possible. Make sure you look at your SD-Z1 location or the lengths of leader cable and sensing cable available when choosing your transmitter location. Do not mount the transmitter behind metal objects. Use the provided hardware to secure the base in the desired location.
6. Put the circuit board back into the enclosure. There are two "L" shaped brackets along the left side of the enclosure. Angle the board in under the lip of these L brackets and as far down as it will go against the plastic pegs at the bottom of the enclosure. Guide the board so it is parallel with the base. Pull the circuit board clip out and push the board down until the circuit board clip snaps into place and secures the board. The board is a very tight fit in the enclosure. Work slowly and gently so the board is secured by the enclosure and doesn't get damaged in the process.
7. Remove the clear pull tab to engage the battery. Verify the LED is blinking blue. The light blinks randomly every 10-20 seconds.
8. Check the WiNG-MGR web interface and verify the sensor appears in the list of sensors connected to the WiNG-MGR. You may need to click the Sensor Discovery button in the WiNG-MGR web interface to allow the unit to find this new sensor. Since leak detection is not connected to the transmitter yet, the sensor will report a cable break.
9. Connect your leak detection to the transmitter. The SD-Z1 connects directly to the WiNG-LD. Leader cable is used to connect sensing cable to the WiNG-LD, since sensing cable cannot connect directly to the sensor.
 - a. Insert the four stripped wires of the SD-Z1 or leader cable into the appropriate slots in the 4-pin cable input terminal block connector (TB4) - from left to right: white, black, green, and red. Tighten the screws on the terminal block connector to secure the leader cable. If you're connecting a SD-Z1, you are done and can skip to step 10.
 - b. Unscrew the end-of-line terminator (EOL) from the end of the leader cable.
 - c. Attach the length of sensing cable to the leader cable.
 - d. Route the sensing cable according to your cable layout diagram. Secure all cables with J-clips as needed.
 - e. Secure the EOL to the unoccupied end of the sensing cable.
10. Check the WiNG-MGR web interface to make sure the sensor status reports as No Issue and the current reading is 0uA. If the current reading is greater than 0uA you may want to clean the cable. By default the WiNG-LD alarms when the sensor detects 4uA of current. This recommended setting can be adjusted in the WiNG-MGR web interface. Click the sensor name, click Sensor Configuration, and adjust the Leak Threshold value.
11. Replace the lid, ensuring that the antenna is held in place by the antenna guides and feeds out the vent hole in the side of the enclosure. Do not pinch the antenna between the lid and the case.



NOTE: The serial number is printed on a white label on the outside of the sensor lid. The serial number on this label is unique to each sensor, and you will need to refer to this number throughout the life span of the device.

