



# meshify Smart Leak Sensor User Manual

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## v3.0 Product Overview

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## Smart Leak Sensor

### Device Specs

Dimensions: DIA: 88mm, H: 33mm +- 1mm (w/o mount), H: 33.5mm +- 1mm (w/mount)  
Weight: w/o Battery: 93g (3.28 oz), w/Battery 123 g (4.34 oz)  
Mounting bracket: 12 g (0.42 oz)  
Temp Rating: -40degC to 60degC

## Device Activation

### Battery Pull Tab

- In order to turn on device, the pull tab must be removed from underneath the batteries
- To open device, using thumb tabs on bottom of case while holding the top lid (with wave design and logo tab), twist COUNTERCLOCKWISE until the UNLOCK symbol lines up with the smallest notch found on the top lid, below the colored logo tab
- separate the top and bottom to reveal the batteries and remove pull tab
- to close the sensor, position the UNLOCK symbol in line with the up arrow on the inside of the top lid, using the thumb tabs on the bottom of the case, twist CLOCKWISE until the LOCK symbol lines up with the smallest notch found on the top lid, below the colored logo tab

## ON Button

- To turn the device on, hold the button down until you hear a beep, then release the button.  
You will see a quick BLUE led flash, followed by blinking PURPLE light for up to 40s followed by either:
- On Successful Join:
- IF GOOD Signal: Three beeps and blinking GREEN light
- IF OK Signal: Three beeps and blinking YELLOW light
- IF POOR Signal: Long Tone and blinking RED light
- On Fail to Join: Long Tone and solid RED for up to 30s. Device has powered down at this point
- **Note:** If the device was put in stealth mode and then turned off, you will need to press the button for 2-3s to power on and activate power on sequence above.

## Mounting

The Device has two means of mounting

### Wall Mount

- With the wall side text facing AWAY from sensor, align mount to base of sensor then quarter turn CLOCKWISE until slight click. The mount should now be locked into place
- Attach wall mount strip to designated area on the mounting bracket
- Press sensor and mount assembly to desired surface for 30-60s to secure adhesive to surface.
- To remove sensor from mount, quarter turn sensor COUNTERCLOCKWISE

### Zip Tie Mount

- With 'This side out' text facing AWAY from sensor, align Mount to base of sensor, quarter turn clockwise until slight click. The mount should now be locked into place
- Slide a zip tie through the designated slots (2) on the mount
- Attach sensor and mount assembly to desired surface with zip tie
- To remove sensor from mount, quarter turn sensor COUNTERCLOCKWISE

## Leak Rope

- In order to connect your leak rope, plug the headphone jack of the rope into slot in the desired sensor. ensure the connector is pushed in as far as it will go

## Temperature Probe

- In order to connect your leak rope, plug the headphone jack of the rope into slot in the desired sensor. ensure the connector is pushed in as far as it will go

## Detecting a Water Event

- If a Water event is detected, the device will send an alert to the designated user's email or phone. If the device is NOT in stealth mode, it will also begin to beep as soon as an event is detected, once every 5 seconds until the sensor is removed from the water event or the leak rope is dried
- There will be no LED indication on a water event

## Detecting a Temperature Event

- If a Temperature event is detected, device will send an alert to the designated user's email or phone. Appropriate action should be taken by the customer

## Detecting a Motion Event

- If a Motion event is detected, device will send an alert to the designated user's email or phone. Appropriate action should be taken by the customer

## Signal Strength

Signal strength performs a check to see if the device is in an area where it is able to transmit and receive messages from the gateway, without interference

- To check signal strength of a sensor, press and hold the button for 1-2 seconds The device will begin flashing PURPLE light for 10-30 seconds.
- IF GOOD Signal: Three beeps and blinking GREEN light
- IF OK Signal: Three beeps and blinking YELLOW light. It is recommended you find a place closer to the gateway and try the signal test again, to avoid the risk of missed messages or other problems
- IF POOR Signal: Long Tone and blinking RED light
- If NO SIGNAL is detected at all, the device will go solid red for 5 seconds and long tone

## Stealth Mode

Stealth mode is the silencing of the beeping on devices. If stealth mode is desired, this process must be followed individually for each sensor

**via web platform:**

- This capability is available and can be activated on a sensor by sensor basis via Protect
- when stealth entered, The device LED will go from GREEN BLUE
- when stealth exited The device LED will go from BLUE GREEN , with 2 short beeps the setting will be applied without any acknowledgement from the sensor.

## Low Battery Voltage

- Alert sent to platform for notification purposes
- Low Battery Voltage is indicated on the device through a continuous beep and red flash of the LED once every 10s until the batteries are replaced or batteries die. This is triggered when the device reaches 2.3V
- The 2.3V default listed above can be changed via a downlink message to the device.

### Chirp (finding a lost sensor)


- Once the sensor receives the downlink, it will begin beeping three times in quick succession every 5 seconds and blinks BLUE until the user finds the device and pushes the button, or the “chirp” session times out.
- The timeout of the chirp session is defined by the user and can be > 1 min and <900s, defaults to 900s

### Device OFF

- To turn the device off, hold the button down until it beeps. around 6 seconds. The button should be BLUE while you are holding it down and will turn RED when power down commences.
- After 6s, the device will beep once and the light will turn solid red until the device is powered off (up to 30s), then the light will turn off



### Documents / Resources

	<p><a href="#">meshify Smart Leak Sensor</a> [pdf] User Manual LDLT002, 2AQ34-LDLT002, 2AQ34LDLT002, Smart Leak Sensor, Leak Sensor, Sensor</p>
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