

Leak Sensor
INSTEON® Leak Sensor
Owner's Manual
#2852-222



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Leak Sensor

In the Box	Tools Needed	Optional Accessories
Leak Sensor	None	INSTEON Hub
Quick Start Guide		

INSTEON Setup

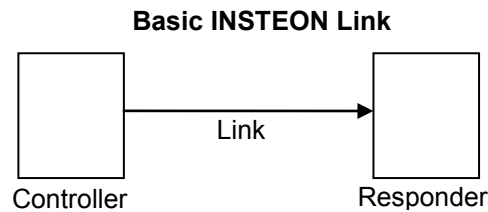
Some products have subtle differences in their setup procedures. Where necessary, please refer to the other device's owner's manual for details.

INSTEON Controllers, Responders and Links

Let's define a few terms.

- Each INSTEON compatible product is called a **device**
- The INSTEON "transmitter" is called a **controller**
- The INSTEON "receiver" is called a **responder**

The association between the controller and responder is called a **link**



Note that a link is one way. If you wish to have control "the other way," simply add a link "the other way."

Add Leak Sensor to INSTEON Hub

- 1) Open INSTEON App on smartphone/tablet and follow onscreen instructions to set up Leak Sensor



Make Leak Sensor a Controller

Follow the steps below to link Leak Sensor as a controller of another INSTEON device. The linked device will respond when Leak Sensor detects moisture.

- 1) Press and hold Leak Sensor Set button for about 3 seconds. Leak Sensor LED will start blinking green.
- 2) Place Leak Sensor on floor in desired location.
- 3) Adjust responder to desired brightness/state
- 4) Press and hold responder Set button until it double-beeps. Leak Sensor LED will stop blinking.

- 5) Test by tapping Leak Sensor Set button. Responder will turn on.
- 6) To add multiple responders, repeat steps 1-5 for each additional responder

Remove Leak Sensor as a Controller (Unlink)

- 1) Press and hold Leak Sensor Set button until the status LED begins blinking
LED will start blinking green
- 2) Press and hold Leak Sensor Set button again until the status LED blink cadence changes
LED will continue blinking
- 3) Press and hold responder Set button until it double-beeps
Leak Sensor's LED will stop blinking
- 4) Test by tapping Leak Sensor Set Button with Responder in the Off state
Former responder will not respond

Factory Reset

All settings and scenes will be erased.

- 1) Using a small flat blade screwdriver, carefully open the bottom case of Leak Sensor
- 2) Pull out the battery
- 3) Wait 5 seconds
- 4) Push in Set button and hold it. Do not let go.
- 5) Reinstall the battery while holding down the Set button
LED will turn on solid Green for a few seconds
LED will then turn off
- 6) Release Set button

Specifications

General	
Brand	INSTEON
Manufacturer product no.	2852-222, INSTEON Leak Sensor
UPC	813922013078
Warranty	2 years, limited
INSTEON	
INSTEON powerline mesh repeater	No
INSTEON RF mesh repeater	No
INSTEON controller	Yes
INSTEON responder	No
Maximum links/scenes	400
Commands supported as responder	On Group 1 (Dry) On Group 2 (Wet) Heartbeat (Group 4)
Software configurable	Yes
RF range	Up to 150 feet (open air)
Phase bridge detect beacon	No
INSTEON device category	0x10
INSTEON device subcategory	0x08 (915MHz RF frequency)
Mechanical	
Mounting	Place on flat surface where leak will occur
Case color	White
Buttons	1, Set
Plastic	Polycarbonate
Rubber	Polyethylene rubber
Conductive Feet	Corrosion resistant nickel plated bronze
Beeper	No
Setup LED	Yes, green
Dimensions	Excluding antenna: 0.9" H x 3.6" W x 1.4 D (23mm H x 92mm W x 36mm D) With antenna: 3.7" H x 3.6" W x 1.4" D (93mm H x 92mm W x 36mm D)
Weight	3 oz (0.2 lb, 90g)
Operating environment	Indoors
Operating temperature range	32-104°F (0-40°C)
Operating humidity range	0-90% relative humidity
Storage temperature range	-4-158°F (-20-70°C)
Electrical	
Battery	One (1) AA battery included
Voltage	1.5VDC
Retains all settings without power	Yes, saved in non-volatile EEPROM
Mean battery life	10 years
Certifications	FCC, IC Canada

Troubleshooting

Problem	Possible Cause	Solution
Leak Sensor is unable to communicate with another INSTEON device	Leak Sensor and the other device are out of range	Install more INSTEON products (including, but not limited to Range Extenders/Access Points)
	The other device is near a localized powerline noise source or attenuator	Isolate the noise/attenuator using a FilterLinc
It takes a long time for one or more of Leak Sensor's responders to respond	Leak Sensor is repeatedly retrying to control a missing responder	If the responder is still available, unlink it from Leak Sensor. See Remove Leak Sensor as an INSTEON Responder
		Perform a factory reset. See Factory Reset
Leak Sensor can turn responder on, but not off	Leak Sensor is not designed to turn off responders. This prevents warning lights or other leak indication devices from turning off in the event the leak dries.	None. As designed.

If you have tried these solutions, reviewed this Owner's Manual, and still cannot resolve an issue you are having with Leak Sensor, please call the INSTEON Support Line at 1-866-243-8022

Certification and Warranty

FCC and Industry Canada Compliance Statement

This device complies with FCC Rules Part 15 and Industry Canada RSS-210 (Rev. 7). Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The digital circuitry of this device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio and television reception. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause such interference, which can be verified by turning the device off and on, the user is encouraged to eliminate the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna of the device experiencing the interference
- Increase the distance between this device and the receiver
- Connect the device to an AC outlet on a circuit different from the one that supplies power to the receiver
- Consult the dealer or an experienced radio/TV technician

WARNING: Changes or modifications to this device not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Limited Warranty

Seller warrants to the original consumer purchaser of this product that, for a period of two years from the date of purchase, this product will be free from defects in material and workmanship and will perform in substantial conformity to the description of the product in this Owner's Manual. This warranty shall not apply to defects or errors caused by misuse or neglect. If the product is found to be defective in material or workmanship, or if the product does not perform as warranted above during the warranty period, Seller will either repair it, replace it, or refund the purchase price, at its option, upon receipt of the product at the address below, postage prepaid, with proof of the date of purchase and an explanation of the defect or error. The repair, replacement, or refund that is provided for above shall be the full extent of Seller's liability with respect to this product. For repair or replacement during the warranty period, call the INSTEON Support Line at 866-243-8022 with the Model # and Revision # of the device to receive an RMA# and send the product, along with all other required materials to:

INSTEON
ATTN: Receiving
16542 Millikan Ave.
Irvine, CA 92606-5027

Limitations

The above warranty is in lieu of and Seller disclaims all other warranties, whether oral or written, express or implied, including any warranty or merchantability or fitness for a particular purpose. Any implied warranty, including any warranty of merchantability or fitness for a particular purpose, which may not be disclaimed or supplanted as provided above shall be limited to the two-year of the express warranty above. No other representation or claim of any nature by any person shall be binding upon Seller or modify the terms of the above warranty and disclaimer. Home automation devices have the risk of failure to operate, incorrect operation, or electrical or mechanical tampering. For optimal use, manually verify the device state. Any home automation device should be viewed as a convenience, but not as a sole method for controlling your home.

In no event shall Seller be liable for special, incidental, consequential, or other damages resulting from possession or use of this device, including without limitation damage to property and, to the extent permitted by law, personal injury, even if Seller knew or should have known of the possibility of such damages. Some states do not allow limitations on how long an implied warranty lasts and/or the exclusion or limitation of damages, in which case the above limitations and/or exclusions may not apply to you. You may also have other legal rights that may vary from state to state.

Protected under U.S. and foreign patents (see www.insteon.com/patents).
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