On/Off Module

Owner's Manual

2633-422 (France)
2633-432 (Germany)
2633-442 (UK)
2633-452 (Chile)
2633-522 (AUS/NZ)

2633-432 (Germany)
2633-452 (Chile)

2633-422
(France)

2633-442
(UK)

2633-522
(Aus/NZ)

Rev: 1/21/2014 7:47 AM

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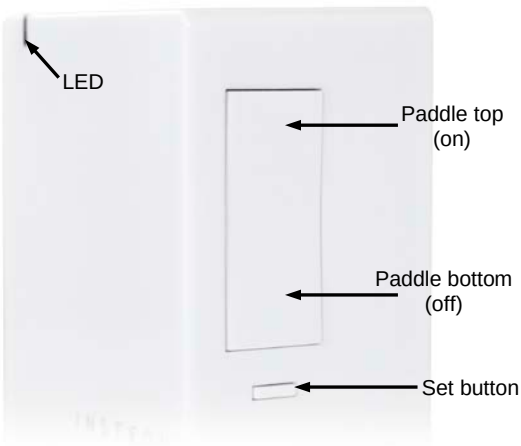
About On/Off Module

INSTEON On/Off Module makes adding customizable INSTEON (and X10) remote control to your lamps and appliances as easy as plug and play. It's home automation at its simplest and most convenient.



Features and Benefits

- Integrated on/off relay
- Compatible with all INSTEON (and X10) controllers; can also act as an INSTEON (and X10) controller
- Super-easy setup with multi-color LED and beeper
- Dual-band communicates simultaneously over both RF and powerline
- Stores setup state in non-volatile memory so settings aren't lost during power outages
- Two-year warranty

Installation

CAUTIONS AND WARNINGS

Read and understand these instructions before installing and retain them for future reference.

This product is not designed or approved for use on powerlines other than 100-240VAC,50Hz or 60Hz, single phase. Attempting to use this product on non-approved powerlines may have hazardous consequences.

- Use only indoors or in outdoor rated box
- This product may feel warm during operation. The amount of heat generated is within approved limits and poses no hazards. To minimize heat buildup, ensure the area surrounding this product is as clear of clutter as possible.
- Each INSTEON product is assigned a unique INSTEON I.D., which is printed on the product's label.
- To reduce the risk of overheating and possible damage to other equipment, do not use this product to control loads in excess of the specified maximum(s) or, install in locations with electricity specifications which are outside of the product's specifications. If this device supports dimming, please note that dimming an inductive load, such as a fan or transformer, could cause damage to the dimmer, the load bearing device, or both. If the manufacturer of the load device does not recommend dimming, use a non-dimming INSTEON on/off switch. USER ASSUMES ALL RISKS ASSOCIATED WITH DIMMING AN INDUCTIVE LOAD.

IMPORTANT!
If you have any difficulties or questions, consult an electrician. If you are not knowledgeable about, and comfortable with, electrical circuitry, you should have a qualified electrician install the product for you.

In the Box	Tools Needed	Optional Accessories
On/Off Module	None	INSTEON Hub
Quick Start Guide		Mini Remote

1) Turn on lamp or appliance
2) Unplug lamp/appliance and plug it into On/Off Module receptacle
3) Plug On/Off Module into unswitched wall outlet
   Load will turn on
   On/Off Module LED will turn green

Using On/Off Module Paddle

On/Off Module's paddle will control the load and any additional linked responders with tap, double-tap and press and hold actions to initiate different behaviors.

On/Off Module Paddle	Tap	Press and hold	Double-tap	LED
Top	On	Brighten until release or 100% *(dimmable responders only)*	Instant full-on	Green
Bottom	Off	Dim until release or off *(dimmable responders only)*	Instant full-off	Red

Adjust Local Settings

Change LED Brightness (or turn it off)

Default = 50% brightness level

1) Press and hold On/Off Module set button until it beeps
   LED will start blinking green
2) Press and hold On/Off Module set button until it beeps a second time
   LED will start blinking red
3) Press and hold On/Off Module set button until it beeps a third time
   LED will start blinking green
4) Tap On/Off Module set button once
   LED starts double-blinking green
5) Press and hold On/Off Module set button until it beeps
   LED will turn green (at brightness of connected load)
6) Use the On/Off Module's paddle to brighten or dim LED to desired brightness
7) Tap On/Off Module set button to accept
   On/Off Module will double-beep and return to ready mode

Error Blink

Default = enabled

This setting is only adjustable via software or a central controller. On/Off Module LED will blink red once if one or more responders do not acknowledge a message and will blink green once if all responders are successful.

Blink on Traffic

Default = disabled

This setting is only adjustable via software or a central controller. DIN Rail module LED will blink red if it detects noise that could disrupt communication.

Beep on Button Press

Default = disabled

This setting is only adjustable via software or a central controller. On/Off Module will beep every time its paddle is tapped.

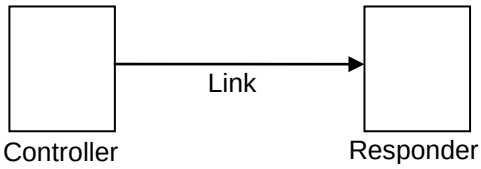
INSTEON Setup

Some products have subtle differences in their setup procedures. Please refer to the other devices' owner's manuals for details.

INSTEON Controllers, Responders and Links

Let's define a few terms.

- 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."

Configure INSTEON Settings

Most On/Off Module links and settings can be configured locally—during installation with the module's set button or after installation using the switch connected to the module—or remotely via software (sold separately).

All On/Off Module settings can be managed remotely via software (sold separately).

Make On/Off Module a Responder

1) Press and hold controller set button until it beeps
   Controller LED will start blinking green
   You will have four minutes to complete the next steps before linking mode times out
2) Turn on load connected to On/Off Module and adjust to desired level (on or off)
3) Press and hold On/Off Module set button until it double-beeps
   Controller will double-beep and its LED will stop blinking
4) Test link by tapping controller button on and off or pressing and holding to brighten/dim
   Load connected to On/Off Module will respond appropriately

Note:

- The link just created is one way. See *Make On/Off Module a Controller* or *Groups* to add another link to keep the two products in sync.
- If you wish the load to be off when link is activated—such as for an "all off" scene—turn off the load in step #2.

Make On/Off Module a Controller

1) Press and hold On/Off Module set button until it beeps
   On/Off Module LED will start blinking green
   You will have four minutes to complete the next steps before linking mode times out
2) Adjust responder to desired state
3) Press and hold responder set button until it double-beeps
   On/Off Module will double-beep and its LED will stop blinking[1]
4) Test link by tapping or pressing and holding On/Off Module paddle to turn on/off or brighten/dim
   Responder will respond appropriately

Note:

- The link just created is one way. See *Make On/Off Module a Responder* or *Groups* to add another link to keep the two products in sync.
- If you wish the load to be off when link is activated—such as for an "all off" scene—turn off the load in step #2.

Groups

Devices in a group share all the same settings (e.g., on-level, ramp rate). This keeps all group members synchronized. Every device in a group is both a controller of, and responder to, all the other devices. The most common example of a group is a 3-way lighting circuit (2 switches). For simplicity, we will assume that the desired group level is on.

The following steps will create a virtual 3-way circuit including device "A" and device "B":

1) Turn A and B on
2) Press and hold A set button until it beeps
   A status LED will start blinking green
3) Press and hold B set button until it double-beeps
   A will double-beep and its LED will stop blinking
4) Press and hold B set button until it beeps
   B LED will start blinking green
5) Press and hold A set button until it double-beeps
   B will double-beep and its LED will stop blinking
6) Test by turning load on and off from A and then B
   The load(s) and both A and B LEDs will remain in synch

Scenes

Devices in a scene can each have different settings. This provides for advanced scene creation. Software is recommended for scene management.

Example of a scene with 1 controller and On/Off Module as a member:

1) Press and hold controller set button until it beeps
   Controller LED will start blinking green
2) Tap controller set button
   Controller LED will start double-blinking green

[1] If either controller or responder LED continues blinking, the addition failed. Tap device's set button until LED stops blinking and try linking again.

3) Adjust On/Off Module to desired level (on or off)
4) Press and hold On/Off Module set button until it double-beeps
5) For each additional scene member:
    a) Adjust member to desired scene brightness
    b) Press and hold set button until it double-beeps
6) Tap controller set button
    Controller will beep and LED will stop blinking
7) Test by tapping controller button on and off
    On/Off Module and other scene responders will all respond appropriately

Make On/Off Module a Controller of Multiple Responders

1) Press and hold On/Off Module set button until it beeps
    LED will start blinking green
2) Tap On/Off Module set button
    LED will start double-blinking green
3) For each responder you are adding:
    a) Adjust responder to desired scene brightness/state
    b) Press and hold set button until it double-beeps
4) Tap On/Off Module set button
    On/Off Module will beep and LED will stop blinking
5) Test by tapping On/Off Module paddle on and off
    All the responders will turn on and off

Remove On/Off Module as a Controller

If you no longer want On/Off Module to control another device (or are removing On/Off Module from your network) it is important that you follow the instructions below for each responder.

1) Press and hold On/Off Module set button until it beeps
    LED will start blinking green
2) Press and hold On/Off Module set button until it beeps a second time
    LED will start blinking red
3) Press and hold responder set button until it double-beeps
    On/Off Module will double-beep and LED will stop blinking
4) Test by tapping On/Off Module on and off
    Former responder will not respond

Remove On/Off Module as a Responder

If you no longer want a controller button to control On/Off Module, follow these directions.
Note: If you ever wish to uninstall On/Off Module, it is important that you remove all On/Off Module responder links. Otherwise, controllers will repetitively retry commands, creating network delays.

1) Press and hold controller button until it beeps
    LED will start blinking green
2) Press and hold controller button until it beeps a second time
    LED will start blinking red
3) Press and hold On/Off Module set button until it double-beeps
    Controller LED will stop blinking
4) Test by tapping controller button on and off
    On/Off Module will no longer respond

Remove On/Off Module as a Controller of Multiple Responders

1) Press and hold On/Off Module set button until it beeps
   LED will start blinking green
2) Press and hold On/Off Module set button until it beeps a second time
   LED will start blinking red
3) Tap On/Off Module set button
   LED will start double-blinking red
4) For each responder you are removing:
   a. Press and hold set button until it double-beeps
5) Tap On/Off Module set button
   On/Off Module will beep and LED will stop blinking
6) Test by tapping On/Off Module paddle on and off
   None of the former responders will respond

Factory Reset

All settings, links and scenes will be erased.

1) Press and hold On/Off Module set button until it beeps
   LED will start blinking green
2) Press and hold On/Off Module set button until it beeps a second time
   LED will start blinking red
3) Press and hold On/Off Module set button until it beeps a third time
   LED will start blinking green
4) Slowly tap On/Off Module set button 3 times
   LED will start double-blinking green
5) Press and hold On/Off Module set button. Do not let go.
   On/Off Module will begin to emit a long beep
6) After beep stops, release On/Off Module set button
   After a few seconds, On/Off Module will double-beep

X10 Setup

On/Off Module ships with no X10 address assigned.

Add X10 Address

1) Press and hold set button until it beeps
   LED will start blinking green
2) Send the X10 address 3 times (with or without commands)
   Example: A1-AON-A1-AON-A1-AON or A1-A1-A1-AON
   On/Off Module will double-beep and LED will stop blinking
3) Test by sending X10 on and off commands
   Load will turn on and off

Remove X10 Address

1) Press and hold set button until it beeps
   LED will start blinking green
2) Press and hold set button until it beeps a second time
   LED will start blinking red
3) Send the X10 address 3 times (with or without commands)

Example: A1-OFF-A1-OFF-A1-OFF or A1-A1-A1-AOFF
On/Off Module will double-beep and LED will stop blinking

4) Test by sending X10 on and off commands
On/Off Module will not respond

Specifications

General		
Product name	On/Off Module	
Brand/manufacturer	INSTEON	
Manufacturer product number	2633-422 France 2633-432 Germany 2633-442 UK 2633-452 Chile 2633-522 AUS/NZ	
UPC	813922012651 France 813922012668 Germany 813922012675 UK 813922014112 Chile 813922012682 AUS/NZ	
Warranty	2 years, limited	
INSTEON		
INSTEON powerline mesh repeater	Yes	
INSTEON RF mesh repeater	Yes	
INSTEON controller	Yes	
INSTEON responder	Yes	
Maximum links/scenes	400	
LED	Green when load is on, red when load is off	
	Blinks green once when all responders acknowledge (can be disabled via software) Blinks red once if responder does not acknowledge	
	Blinks red or green during setup	
	Blinks red to indicate traffic (must be enabled via software)	
Beep on button press	Beeps when button is pressed (must be enabled via software)	
LED brightness	Adjustable, from off to bright	
Local control	Yes	
Commands supported as controller	On	Off
	Fast-on	Fast-off
	Begin brighten	Begin dim
	End brighten	End dim

Commands supported as responder	On	Off
	Fast-on	Fast-off
	Beep	
Software configurable	Yes	
RF range	Up to 50 meters (150 feet) open air	
Phase bridge detect beacon	Yes	
INSTEON device category	0x02 appliance control	
INSTEON device subcategory	2633-422 (France, 869.85 MHz)	0x2D
	2633-432 (Germany, 869.85 MHz)	0x30
	2633-442 (UK, 869.85 MHz)	0x35
	2633-452 (Chile, 915 MHz)	0x3A
	2633-522 (Aus/NZ, 921.0 MHz)	0x36
X10		
X10 address	1 optional (comes unassigned)	
X10 transmitter	Yes	
X10 receiver	Yes	
X10 status response	Supported	
X10 minimum transmit level	3.2 Vpp into 5 Ohms	
X10 minimum receive level	20mV into 5 Ohms	
X10 messages repeated	No	
Mechanical		
Mounting	AC outlet	
Wires	N/A	
Screw clamp connections	N/A	
Case color	White	
Set button	1	
Plastic	UV stabilized polycarbonate	
Beeper	Yes	
LED	1, RGB	
Dimensions	10cm H x 4.3cm W x 3.4cm D - France 10cm H x 4.3cm W x 3.4cm D - Germany 10.4cm H x 5cm W x 3.5cm D - UK 10cm H x 4.3cm W x 3.4cm D - Chile 10.8cm H x 4.3cm W x 3.5cm D - AUS/NZ	
Weight	130g ±10g	
Operating environment	Indoors	
Operating temperature range	0^{o} to 40^{o} C / 32^{o} to 104^{o} F	
Operating humidity range	0-90% relative humidity	
Storage temperature range	-20^{o} to 70^{o} C / -4^{o} to 158^{o} F	

Electrical	
Voltage	100VAC to 240VAC (+/- 10%)
Frequency	50/60Hz auto detected at power-up
Maximum load	16A – 240VAC (EUR) 10A – 240VAC (AUS/NZ) 3600W/240VAC Resistive 700W/240VAC Inductive/Capacitive 2000W/240VAC Bulbs/Low Voltage Halogen
Minimum load	N/A
Load type(s)	Resistive Inductive/capacitive Low voltage halogen
Hardwired remote control	N/A
Retains all settings without power	Yes, saved in non-volatile EEPROM
Standby power consumption	< 0.75 watts
Safety approved	CE, C-Tick
Certifications	EN 300 220-2, 301 489-3 AS/NZS 4268, CISPR 22 IEC 60669-2-1

All product specifications are subject to change.

Troubleshooting

Problem	Possible Cause	Solution
On/Off Module LED is not turning on	On/Off Module is not getting power	Make sure On/Off Module is not plugged into a switched outlet that is turned off
On/Off Module won't add to a scene as a controller or responder	On/Off Module or the controller is plugged into a power strip or AC line filter	Powerline signals can't travel through some power filters. Plug On/Off Module or controller into an unswitched wall outlet.
	The INSTEON signal may be too weak	Add additional INSTEON devices or move around existing INSTEON devices. All INSTEON devices act as INSTEON network repeaters.
	Large appliances, such as refrigerators or air conditioners, may be producing electrical noise on the powerline.	

	Other electrical devices, such as computers, televisions or power strips, may be absorbing the INSTEON signal	
On/Off Module is taking a long time to respond to a controller	The controller may be sending commands to a responder that is no longer in use. Commands for the unused responder are being resent and slowing down the network	Remove from the scene any unused responders from the controller. (HINT: If you are using home automation software, you can easily check scene membership and eliminate unnecessary memberships.)
		If the above doesn't work, perform a factory reset on the controller
Responders are taking a long time to respond to On/Off Module	On/Off Module may be sending commands to a responder that is no longer in use. Commands for the unused responder are being resent and slowing down the network	Remove from a scene any unused responders from On/Off Module. (HINT: If you are using home automation software, you can easily check scene membership and eliminate unnecessary responders.)
		If the above doesn't work, perform a factory reset on On/Off Module. See *Factory Reset*.
The load turned on by itself	Another controller, a timer or stray X10 signals could have triggered On/Off Module	Perform a factory reset on On/Off Module. See *Factory Reset*.
On/Off Module can turn off a responder, but nothing happens when I send an on command from On/Off Module	The responder may be added to the scene at its off state	Add the device to a scene as a responder to On/Off Module, while the responder's load is on. See the responder's Owner's Manual for more detailed scene adding instructions.
The controller can turn off On/Off Module, but On/Off Module does not turn on when I send an on command from the controller	On/Off Module may be added to a scene at its off state	Re-add On/Off Module to a scene as a controller while the load is on. See *Make On/Off Module a Controller*.
On/Off Module is locked up	A surge or excessive noise on the powerline may have locked it up	Unplug On/Off Module for 10 seconds and then reinstall
		If the above doesn't work, perform a factory reset. See *Factory Reset.*
The load does not turn on when I manually activate the load's built-in switch	On/Off Module may be off	Turn on On/Off Module using the paddle on the side of the module
	Bulb may be burnt out	Replace the lamp's bulb
The load is not being controlled by On/Off Module	The load may not be getting power	Make sure the load's built-in switch is in the on position

Phase Bridge Detect Beacon/RF Range Test

Dimmer module automatically bridges the electrical phases in your home (via communications with other dual-band devices on the "other phase"). This is only important in 2-phase homes with powerline-only

INSTEON products or buildings with both 2- and 3- phase circuits. The phase bridge detect beacon can also be used as an RF range test to see if your devices are within communication range. You will need at least one other INSTEON dual-band device installed.

1) Press and hold set button until it beeps
   LED will start blinking green
2) Press and hold set button until it beeps a second time
   LED will start blinking red
3) Press and hold set button until it beeps a third time
   LED will start blinking green
4) Slowly tap set button 2 times
   LED will continue blinking green
5) Press and hold set button until it beeps
   Micro module will start beeping once per second
   LED will turn solid green
6) Check the LED behavior of other dual-band devices
   Phase Bridge Detect Beacon
   - If the other dual-band device is blinking green, it is on the other phase:
     Device provides a phase bridge to Dimmer module
   - If the other dual-band device is blinking red, it is on the same phase:
     Device does not provide a phase bridge to Dimmer module
     Relocate if necessary (and practical)
   - If the other dual-band device is not blinking:
     Device is not within RF range of Dimmer module so it does not provide a phase bridge
     Relocate if necessary (and practical) or add an additional dual-band device

   RF Range Test
   - If LED is blinking:
     Device is within RF communication range
   - If LED is not blinking:
     Device is not within RF communication range
     Relocate if necessary (and practical) or add an additional dual-band device
7) Tap set button
   Dimmer module will stop beeping
   Other device LEDs will stop blinking

If you have tried these solutions, reviewed the owner's manual, and still cannot resolve an issue, visit http://www.insteon.com/support or call INSTEON Support Line at 866-243-8022.

Certification and Warranty

DECLARATION OF CONFORMITY

Hereby, INSTEON declares that this device is in compliance with the essential requirements and other relevant provisions of the following Directives:

1) Low Voltage Equipment Directive 2006/95/EC
2) Electromagnetic Compatibility Directive 2004/108/EC
3) Hazardous Substance Directive 2005/95/EC

Technical data and copies of the original Declaration of Conformity are available and can be obtained from INSTEON; 16542 Millikan Ave, Irvine, CA, USA.

User Information for Consumer Products Covered by EU Directive 2002/96/EC on Waste Electric and Electronic Equipment (WEEE)

This document contains important information for users with regards to the proper disposal and recycling of INSTEON products. Consumers are required to comply with this notice for all electronic products bearing the following symbol:

Environmental Information for Customers in the European Union

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams.

It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health.
For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

DECLARATION OF CONFORMITY TO R&TTE DIRECTIVE 1999/5/EC for the European Community, Switzerland, Norway, Iceland and Liechtenstein

Product category: general consumer (category 3).

English: This equipment is in compliance with the essential requirements and other relevant provisions of the European R&TTE Directive 1999/5/EC
Deutsch [German]: Dieses Gerät entspricht den grundlegenden Anforderungen und den weiteren entsprechenden Vorgaben der Richtlinie 1999/5/EU.
Nederlands [Dutch]: Dit apparaat voldoet aan de essentiele eisen en andere van toepassing zijnde bepalingen van de Richtlijn 1999/5/EC.
Svenska [Swedish]: Denna utrustning står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Français [French]: Cet appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes de la Directive 1999/5/EC
Español [Spanish]: Este equipo cumple con los requisitos esenciales asi como con otras disposiciones de la Directiva 1999/5/CE.
Português [Portuguese]: Este equipamento está em conformidade com os requisitos essenciais e outras provisões relevantes da Directiva 1999/5/EC.
Italiano [Italian]: Questo apparato é conforme ai requisiti essenziali ed agli altri principi sanciti dalla Direttiva 1999/5/CE.
Norsk [Norwegian]: Dette utstyret er i samsvar med de grunnleggende krav og andre relevante bestemmelser i EU-direktiv 1999/5/EF.
Suomi [Finnish]:Tämä laite täyttää direktiivin 1999/5/EY olennaiset vaatimukset ja on siinä asetettujen muiden laitetta koskevien määräysten mukainen.
Dansk [Danish]: Dette udstyr er i overensstemmelse med de væsentlige krav og andre relevante bestemmelser i Direktiv 1999/5/EF.
Polski [Polish]: Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami okreslonymi Dyrektywą UE: 1999/5/EC

In 2002, the European Union introduced the Directive on Waste Electrical and Electronic Equipment (WEEE). The main aim of the Directive is to ensure that WEEE is collected and treated separately. WEEE may contain hazardous substances that should not end-up in the (human) environment because it can have adverse effects on it.Furthermore, WEEE is a vast source of raw materials. With the ever-rising worldwide demand for new equipment and the ever-decreasing volume of raw materials in nature, letting this potential source of such materials go to waste is unacceptable. If equipment is collected separately, the equipment can be recycled and up to 85 to 90% of the equipment can be reused as new material, saving the use of virgin raw materials and energy of producing these. Separate collection and treatment of WEEE will thus decrease CO2 emissions as well. For the above reasons, INSTEON expects end-users to dispose of the material in an environmentally friendly way through separate collection and treatment. Electrical and Electronic Equipment is labeled with the following 'crossed out wheeled bin' symbol indicating that the equipment should be disposed of, by the end-user, separate from other types of waste. End-users should contact their dealer/distributor or our company on disposal, collection and recycling options in their country.

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 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*)