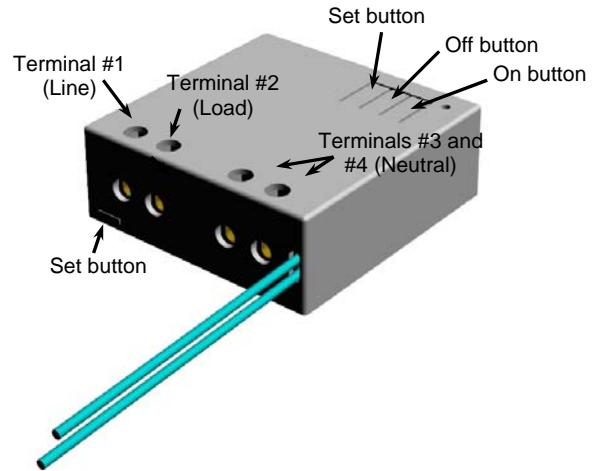


Quick Start Guide

INSTEON® Micro Relay

Model: 2443-222/2443-422/2443-522



About INSTEON Micro Relay

Congratulations on your purchase of the INSTEON® Micro Relay! This compact on/off relay module wires in behind an existing wall switch to give you complete—and completely hidden—remote control over compatible lights.

Note: Installation should only be performed by a qualified electrician or a homeowner who is familiar and comfortable with electrical circuitry. If you have questions, consult an electrician or call the INSTEON Support Line at 800-762-7845.

In the Box

- INSTEON Micro Relay

What's Needed

- Flathead screwdriver
- Phillips screwdriver
- Wire cutter/stripper
- Voltage meter

Installing INSTEON Micro Relay (Dual Momentary Switch)

- 1) Before installing, write down Micro Relay's INSTEON I.D. (on sticker) for future reference.
- 2) Turn off breaker/fuse¹ and verify that the power is off.
- 3) Remove wallplate and unscrew existing switch.
- 4) Gently pull switch out of wall and disconnect wires.²
- 5) After ensuring that the wires are not touching, turn breaker back on.
- 6) Use a voltage meter to identify the fixture's Line, Load and Neutral wires.
- 7) Turn off breaker again.
- 8) Connect Micro Relay wires as follows:

Micro Relay	House
Terminal #1	Line (100-277VAC)
Terminal #2	Load (light, fan, etc.)
Terminal #3	Neutral
Terminal #4	Neutral
Micro Relay	Switch
Yellow wire	Momentary on
Purple wire	Momentary off

- 9) Turn breaker back on.

Connected load will turn on and Micro Relay's LED will turn on green.

- 10) Test connection by tapping Micro Relay's on/off buttons.

Connected load will turn on and off and Micro Relay's LED will turn green (on) and red (off).

¹ If multi-gang box, turn off all breakers/fuses that may be supplying power to the box.

² If the wires cannot be detached, cut wires where they enter the switch and strip ½" of insulation off the ends.

- 11) If you are planning to manually link Micro Relay to any INSTEON controllers, do so now (see *Adding Micro Relay as an INSTEON Responder* below).
- 12) Turn breaker off.
- 13) Place Micro Relay in rear of wall box.
- 14) Remount switch in wall box.
- 15) Turn breaker back on.
Connected load will turn on at its previous state (prior to turning off breaker).
- 16) Test installation by tapping switch on and off.
Connected load will turn on and off.
- 17) Reinstall wallplate.

Installing INSTEON Micro Relay (Single Momentary Switch)

- 1) Before installing, write down Micro Relay's INSTEON I.D. (on sticker) for future reference.
- 2) Turn off breaker/fuse¹ and verify that the power is off.
- 3) Remove wallplate and unscrew existing switch.
- 4) Gently pull switch out of wall and disconnect wires.²
- 5) After ensuring that the wires are not touching, turn breaker back on.
- 6) Use a voltage meter to identify the fixture's Line, Load and Neutral wires.
- 7) Turn off breaker again.
- 8) Connect Micro Relay wires as follows:

Micro Relay	House
Terminal #1	Line (100-277VAC)
Terminal #2	Load (light, fan, etc.)
Terminal #3	Neutral
Terminal #4	Neutral
Micro Relay	Switch
Yellow wire	Switch contact
Purple wire	Not used – cap off

- 9) Turn breaker back on.
Connected load will turn on and Micro Relay's LED will turn on green.
- 10) Test connection by tapping Micro Relay's on/off buttons.
Connected load will turn on and off and Micro Relay's LED will turn green (on) and red (off).
- 11) If you are planning to manually link Micro Relay to any INSTEON controllers, do so now (see *Adding Micro Relay as an INSTEON Responder* below).
- 12) Turn breaker off.
- 13) Place Micro Relay in rear of wall box.
- 14) Remount switch in wall box.
- 15) Turn breaker back on.
Connected load will turn on at its previous state (prior to turning off breaker).
- 16) Test installation by tapping switch on and off.
Connected load will turn on and off.
- 17) Reinstall wallplate.

¹ If multi-gang box, turn off all breakers/fuses that may be supplying power to the box.

² If the wires cannot be detached, cut wires where they enter the switch and strip ½" of insulation off the ends.

Installing INSTEON Micro Relay (Behind Wall Outlet/Socket)

- 1) Before installing, write down Micro Relay's INSTEON I.D. (on sticker) for future reference.
- 2) Turn off breaker/fuse¹ and verify that the power is off.
- 3) Remove wallplate and unscrew existing outlet.
- 4) Gently pull switch out of wall and disconnect wires.²
- 5) After ensuring that the wires are not touching, turn breaker back on.
- 6) Use a voltage meter to identify the fixture's Line, Load and Neutral wires.
- 7) Turn off breaker again.
- 8) Connect Micro Relay wires as follows:

Micro Relay	House
Terminal #1	Line (100-277VAC)
Terminal #2	Load (light, fan, etc.)
Terminal #3	Neutral
Terminal #4	Neutral
Micro Relay	Switch
Yellow wire	Not used – cap off
Purple wire	Not used – cap off

- 9) Turn breaker back on.
Micro Relay's LED will turn on green and outlet will be powered.
- 10) Test connection: plug a lamp into the outlet, then tap Micro Relay's on/off buttons.
Lamp will turn on and off and Micro Relay's LED will turn green (on) and red (off).
- 11) If you are planning to manually link Micro Relay to any INSTEON controllers, do so now (see *Adding Micro Relay as an INSTEON Responder* below).
- 12) Turn breaker off.
- 13) Place Micro Relay in rear of wall box.
- 14) Remount outlet in wall box.
- 15) Turn breaker back on.
Outlet will be powered.
- 16) Reinstall wallplate.

Adding Micro Relay as an INSTEON Responder

We recommend using INSTEON SmartLinc and the free INSTEON iOS/Android smartphone and tablet app or home automation software (such as HouseLinc) to add and monitor Micro Relay on your home network. You can also add Micro Relay to your network manually by following the instructions below. *Note: you must perform these steps before reinstalling the wall switch.*

- 1) Press and hold controller's ON/scene button until it beeps.
Controller's LED will start blinking green.
- 2) Adjust load connected to Micro Relay to desired brightness level.
- 3) Press and hold Micro Relay's Set button until it double-beeps.
Controller will double-beep and its LED will stop blinking.
- 4) Test link by tapping controller's ON/scene button on and off.
The load connected to Micro Relay will turn on and off.

¹ If multi-gang box, turn off all breakers/fuses that may be supplying power to the box.

² If the wires cannot be detached, cut wires where they enter the switch and strip ½" of insulation off the ends.

Adding Micro Relay as an INSTEON Controller

We recommend using INSTEON SmartLinc and the free INSTEON iOS/Android smartphone and tablet app or home automation software (such as HouseLinc) to add and monitor Micro Relay on your home network. You can also add Micro Relay to your network manually by following the instructions below. *Note: you must perform these steps before reinstalling the wall switch.*

- 1) Press and hold Micro Relay's Set button until it beeps.
Micro Relay's LED will start blinking green.
- 2) Adjust responder to desired state.
- 3) Press and hold responder's Set button until it double-beeps.
Micro Relay will double-beep and its LED will stop blinking.
- 4) Test link by tapping Micro Relay's paddle top and bottom to turn on/off.
The responder turn on and off.

FCC Compliance

This device complies with FCC Rules Part 15. Operation is subject to two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference that may be received or that may cause undesired operation.

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 re-locate 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.

Industry Canada Compliance

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of that 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.

Owner's Manual and Tech Support

Owner's Manual and Quick Start Guide: <http://www.insteon.com/support>
Call: INSTEON Support Line at 800-762-7845