

Wireless LED Rocker Switch Installation and Wiring Instructions

Product Description

The AutoHot Wireless LED Rocker Switch is a wireless activation device designed for use with AutoHot residential controllers.

The switch:

- Uses standard AC power (110–240 VAC)
- Sends a wireless activation signal to the AutoHot controller when pressed
- Receives wireless feedback from the controller to display system status through the LED indicator
- Mimics the center LED behavior of the AutoHot residential controller

This device eliminates the need to run low-voltage signal wires from the switch location back to the controller.

Applications

Typical installations include:

- Hallways
- Bathrooms
- Laundry rooms
- Kitchen areas
- Near bedroom entries
- Retrofit installations where low-voltage wiring is difficult

The Wireless LED Rocker Switch is commonly installed:

1. Near an existing outlet or power source
2. Using standard electrical wiring methods
3. In a standard single-gang electrical box
4. At normal wall-switch height



Features

- Wireless communication with AutoHot residential controllers
- LED status indication
- Standard decorator-style rocker switch appearance
- AC powered (240 VAC)
- No low-voltage control wiring required
- Long wireless range
- Easy retrofit installation

Components

1. Wireless LED Rocker Switch
2. Mounting Screws

Important Installation Notes

- Install only in a properly grounded electrical gang box
- Installation must comply with local electrical codes
- Recommended installation by a qualified electrician or technician
- The switch requires constant AC power
- The switch is NOT a line-voltage load switch
- DO NOT connect the switch output to lighting loads, outlets, or pumps
- This device only requires Line and Neutral for power

LED Status Indication

The LED indicators on the AutoHot residential controller are used to show the current operating status of the system. The center LED on the controller is the main status indicator, and any AutoHot LED activation devices (such as the wired LED rocker switch or wireless LED rocker switch) will mirror the same status.

LED Status	Meaning
LED OFF	System standby
Slow Blinking Red	Pump is running
Solid Red	Hot water ready/ lockout temperature reached
LED ON for 1 Minute	Wireless activation signal received
LED remains ON after 1 minute	Controller did not receive high-water-ready signal within timeout period
Rapid Flashing	Pairing mode

Here is the simple explanation of the LED indicators:

OFF

- The controller is in standby mode.
- The pump is OFF and the system is waiting for an activation signal.

FAST FLASHING (for a few seconds after activation)

- The controller received an activation signal.
- This could come from a push button, motion sensor, wireless device, or other activation method.

SLOW FLASHING

- The recirculation pump is running.
- The system is actively moving hot water through the plumbing system.

SOLID / STEADY ON

- The target temperature or lockout temperature has been reached.
- Hot water has arrived at the monitored location and the controller has stopped the pump.

RAPID FLASHING CONTINUOUSLY (Pairing Mode)

- The controller is in wireless pairing mode.
- This happens when the center button is held for approximately 5 seconds to pair wireless devices.

RAPID FLASHING AFTER POWER-UP WHILE HOLDING CENTER BUTTON

- All previously paired wireless devices are being erased from memory.

Additional notes for customers:

The LED does not indicate a fault code; it mainly shows operating status.

LED-equipped switches mirror the controller LED behavior so users can see system status remotely.

During normal operation, the most common conditions are:

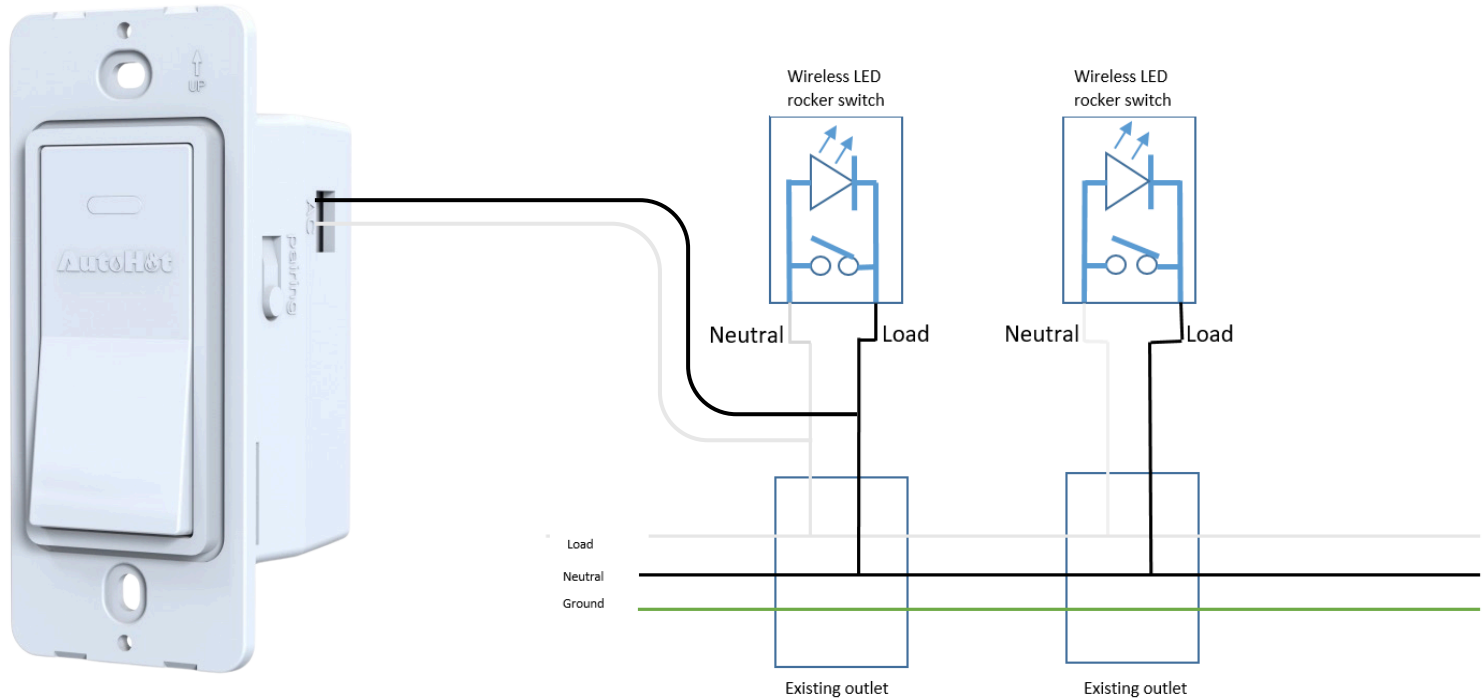
OFF = waiting

Slow flashing = pump running

Solid ON = hot water ready

Electrical Specifications

Specification	Value
Power Supply	120 VAC
Frequency	50/60 Hz
Communication	Wireless
Installation Type	Single Gang Box
Indoor Use Only	Yes



Installation Method

Step 1 – Turn OFF Power

Turn OFF power at the circuit breaker before installation.

Step 2 – Install Electrical Box

Install a standard single-gang electrical box at the desired switch location.

Typical installation example:

- Existing outlet near floor level
- Run 120 VAC electrical wiring upward
- Install switch at standard wall-switch height

Step 3 – Provide Constant 120 VAC Power

Run:

- Line/Load wire
- Neutral wire

to the gang box location.

The Wireless LED Rocker Switch requires constant 120 VAC power at all times.

Step 4 – Connect Wiring

Connect:

- Line/Load → L terminal
- Neutral → N terminal

DO NOT connect:

- Lighting loads
- Pumps
- Switched outputs

This switch is only used for wireless communication with the AutoHot controller.

Gang Box Grounding Note

Plastic Switch Body:

- No ground terminal required

Metal Gang Box:

- Ground according to local electrical code

Pairing Procedure

Pairing the Wireless LED Rocker Switch

Step 1 - Put Controller in Pairing Mode

1. Press and hold the center button on the AutoHot controller for approximately 5 seconds
2. The controller LED will begin rapidly flashing
3. The controller is now in pairing mode

Step 2 - Send Pairing Signal

1. Press the rocker switch once
2. The switch sends a wireless signal to the controller
3. The controller LED will stop flashing once pairing is successful

Clearing Pairings

To clear all wireless pairings from the controller:

1. Disconnect power from the controller
2. Press and hold the center button
3. Reconnect power while continuing to hold the button
4. Release when rapid flashing begins

All wireless devices will be erased from memory.

Operation

Activating the System

1. Press the rocker switch
2. The switch sends a wireless activation signal
3. The controller activates the recirculation pump
4. The switch LED follows controller LED activity

System Ready

When hot water reaches the controller target temperature:

- The controller stops the pump
- The switch LED changes to solid indication
- System returns to standby after cycle completion

Troubleshooting

Problem

No LED indication

Switch does not activate system

LED works but pump does not run

Intermittent operation

LED stays ON too long

Possible Cause

No 120 VAC power

Not paired to controller

Controller or pump issue

Wireless range/interference issue

Controller did not receive hot-water-ready signal