



HOMEWORKS HQP7-RF-2 Wireless Processor Instruction Manual

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*HOMEWORKS HQP7-RF-2 Wireless Processor
Instruction Manual*



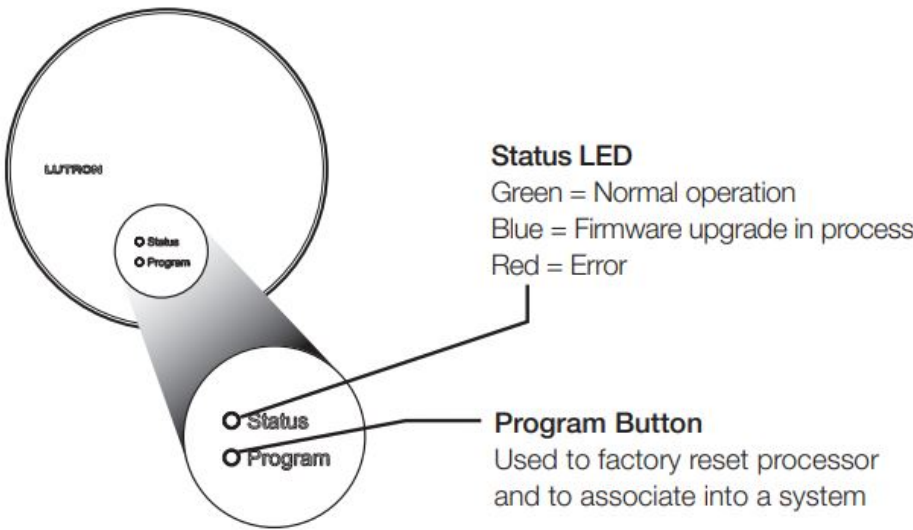
Installation Instructions
Please Read Before Installing

Wireless Processor
HQP7-RF-2
48 V $\overline{\text{---}}$ 100 mA

English

Product Overview

P/N 043580 Rev. A
09/2022



This Home Works wireless processor is compatible with Sunnata dimmers/switches/keypads, Maestro dimmers/switches/fan controls, Pico controls, Radio Powr Savr sensors, Triathlon and Sivoia QS wireless shades, seeTouch keypads, Home Works plug-in dimmers and switches, Home Works RF dimmer and switch modules, and Ketra wireless fixtures and lamps. Other products may also be compatible; see individual product spec sheets

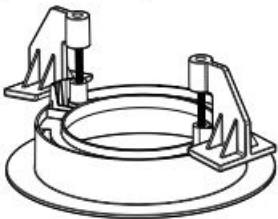
for details on system compatibility. This HomeWorks wireless processor must be powered by an IEEE 802.3af 2003 or 802.3at 2009 compliant LPS / SELV PoE or PoE+ power supply.

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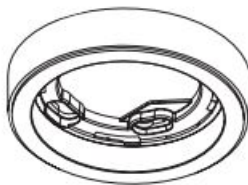
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Additional Components

Recess-mount adapter
(included)



Junction box mount adapter
(included)



Shelf-mount adapter
P/N: L-SMNT-WH
(sold separately)



Tools You May Need

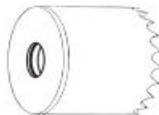
Ladder



Pencil

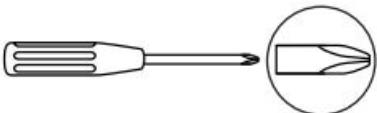


Hole saw



3¼ in to 3½ in
(83 mm to 89 mm)

Philips head screwdriver

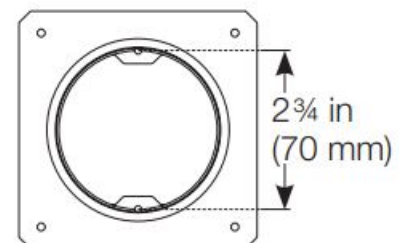


Drill



Components (not included)

Mud ring



Step 1 — Choose a Location to Install

Reliability of Clear Connect wireless communication requires that the wireless processor be centrally-located and within a maximum distance of the specific wireless devices in the system. A maximum of 16 total wired and wireless processors can be on one system. Wireless processors must be mounted 5 ft (1.5 m) away from wireless interference sources like microwaves, Wireless Access Points (WAPs), etc. PoE wiring must be kept internal to the building. Do not run PoE wiring outdoors or install the processor in metallic enclosures.

Distances for Wireless Devices

Clear Connect Type A Devices (see Touch keypads, Maestro dimmers, Pico wireless controls, Sivoia QS wireless shades, etc.)

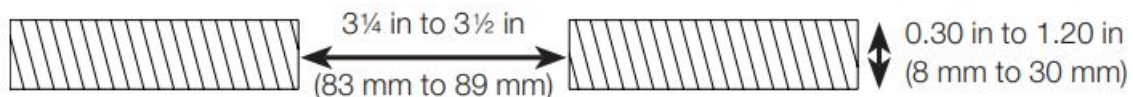
- Each device must be within 30 ft (9 m) of a repeater or wireless processor.
- Repeaters can be spanned up to 60 ft (18 m) apart from other repeaters to create the network.

Clear Connect Type X Devices

- All devices associated with the wireless processor must be within a 75 ft (23 m) radius of the processor.
- There must be a minimum of two devices within 25 ft (7.6 m) of the wireless processor.
- Each Clear Connect Type X device should have two or more non-battery powered Type X devices within 25 ft (7.6 m) of another compatible Clear Connect Type X device. Using more than two devices is ideal for creating an ultra high-performance mesh network.

For myLutron users, please see Application Note 745 for additional information on Clear Connect – Type X Best Practices on www.lutron.com.

Step 2 — Provide Opening for Adapter

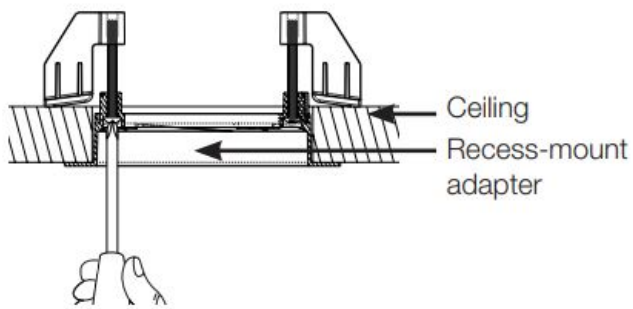


Step 3 — Select the Mounting Adapter for your Installation

Each wireless processor comes with a recess-mount adapter and a junction box mount adapter. NOTE: To utilize the shelf-mount adapter (P/N: L-SMNT-WH, sold separately), please see the instructions included with that product.

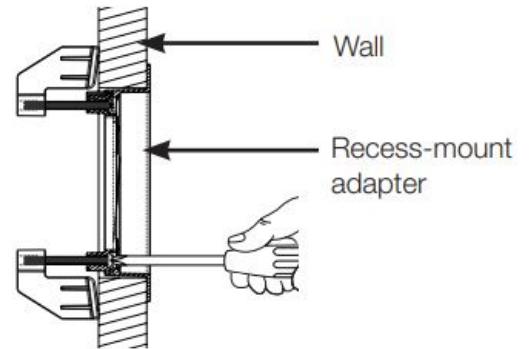
Step 4a — Installation using the Recess-Mount Adapter

Ceiling installation

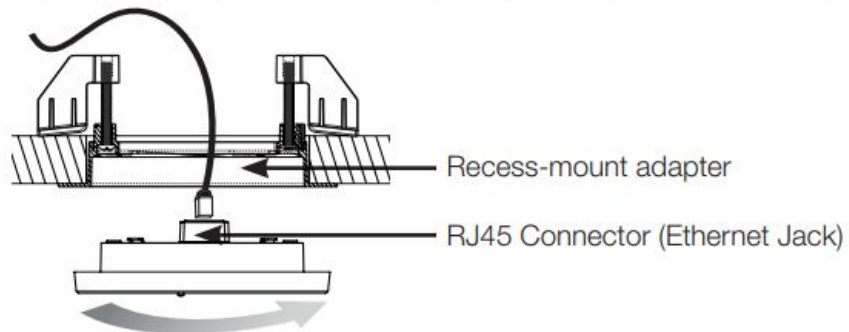


OR

Wall installation

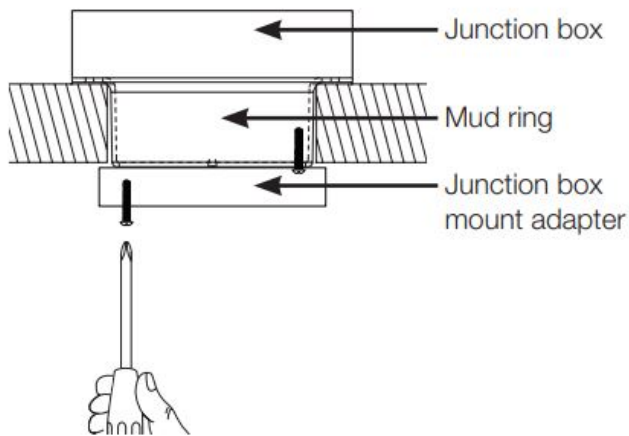


Plug in Ethernet cable and attach processor to PoE-enabled network switch or PoE injector

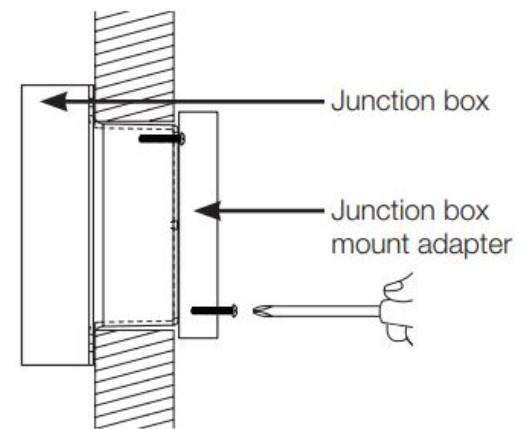


Step 4b — Installation using the Junction Box Mount Adapter

Ceiling installation

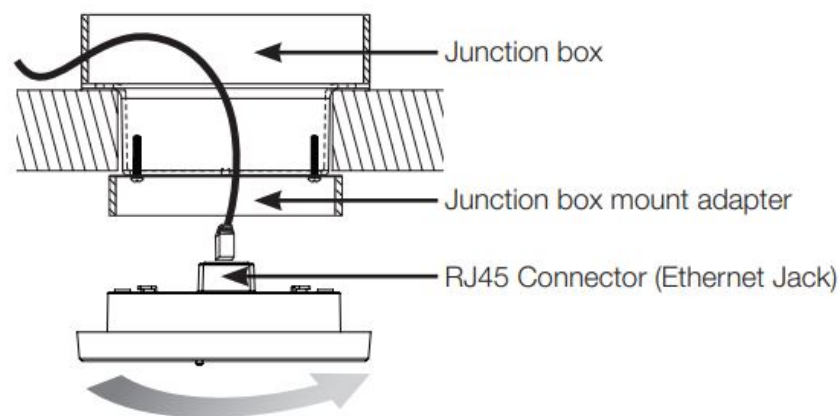


Wall installation



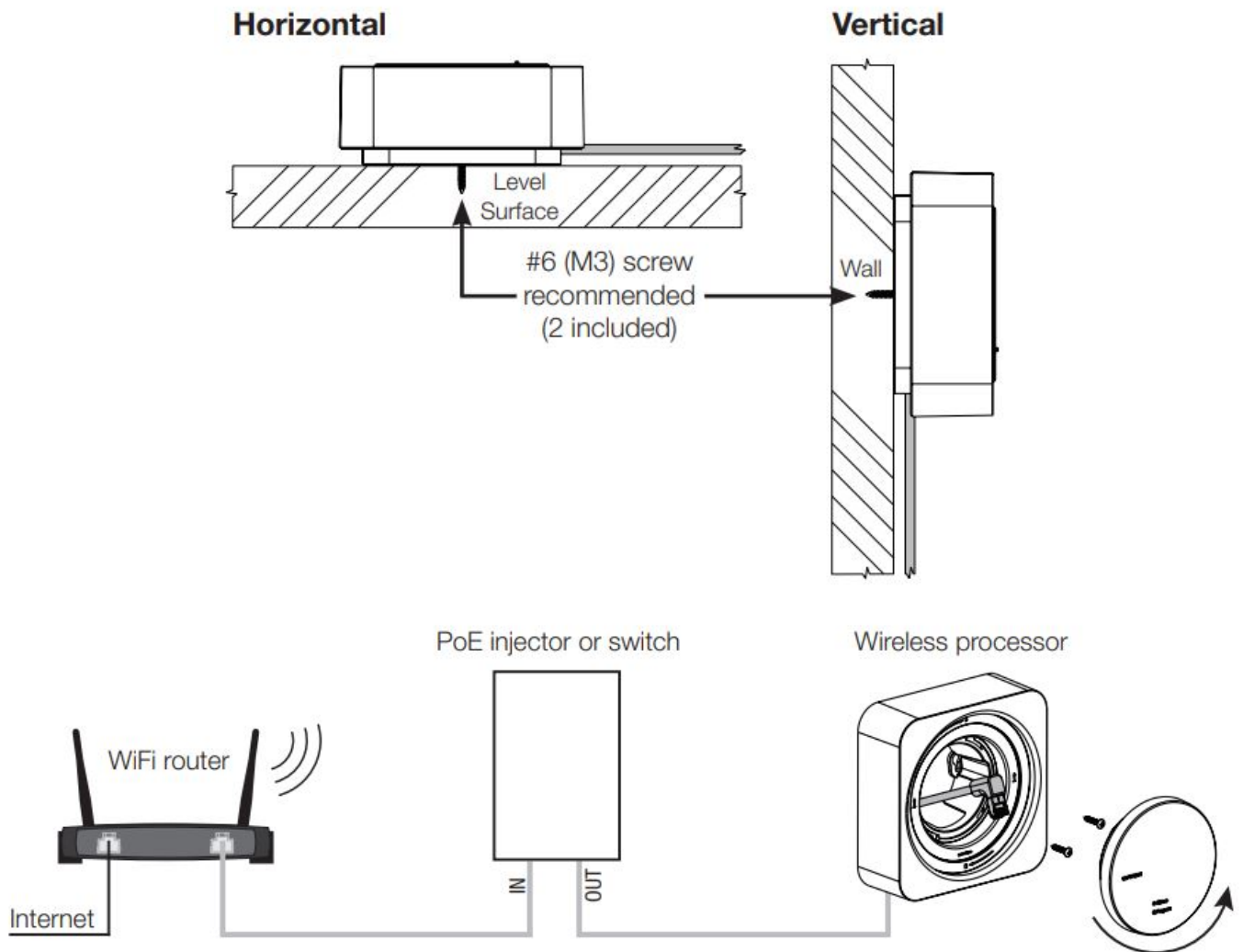
OR

Plug in Ethernet cable and attach processor to PoE-enabled network switch or PoE injector



Step 4c — Installation using the Shelf-Mount Adapter (P/N: L-SMNT-WH, sold separately)

- Hold the adapter to the wall in the desired location
- Using a pencil, mark the location of the screw holes
- If using drywall, prep for anchors
- Partially drive two (2) screws at least 1/4 in (6.3 mm) into the wall or the drywall anchors
- Feed right-angle connector of the 6 ft (1.8 m) Ethernet cable through the adapter BEFORE tightening screws
- Tighten screws
- Plug in Ethernet cable and attach processor to PoE-enabled network switch or PoE injector
- Attach processor to adapter



Step 5 — System Setup

Add the processor into the HomeWorks Designer software. Note: Ensure you are using the latest version of the HomeWorks Designer software.

LED Diagnostics

Mode/Error	LED Pattern Description
Normal Operation	Status LED blinks green every 10 seconds
Software Update	Status LED blinks blue
Error	Status LED remains solid red
Processor Identify	Status LED blinks green rapidly

Troubleshooting

Symptom	Probable Cause
Unit does not power on	A PoE switch is not being used or is not configured as a PoE switch
	The other end of the Ethernet cable is not connected to a PoE switch
Unit cannot be found in software	The Ethernet cable is not connected to the same LAN as the wired processor
	Model is not supported (Athena/myRoom vs. HomeWorks)
	Ethernet run is longer than the supported 328 ft (100 m) and a PoE extender is needed
Unit does not control surrounding lights	Lights are out of range of the wireless processor
	Processor lost power / Ethernet wire run too long and PoE booster is required

For additional troubleshooting information, please see www.lutron.com/support

FCC / IC / IFT Information

This device complies with part 15 of the FCC Rules and 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.

Modifications not expressly approved by Lutron Electronics Co., Inc. could void the user's authority to operate this equipment. Note: This equipment 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 a residential installation. 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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio / TV technician for help. This Class B digital apparatus complies with Canadian ICES-003. This equipment complies with FCC/ISED radiation exposure limits set for an uncontrolled environment. The user should avoid prolonged exposure within 7.9 in (20 cm) of the antenna, which may exceed the FCC/ISED radio frequency exposure limits.

Controlling this HomeKit®-enabled accessory automatically and away from home requires a HomePod®, Apple® TV, or iPad® set up as a home hub. It is recommended that you update to the latest software and operating system.



Communication between iPhone®, iPad®, Apple Watch®, HomePod®, or Mac® and the HomeKit®-enabled HomeWorks processor is secured by HomeKit® technology. Use of the Works with Apple® badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple® performance standards. Apple® is not responsible for the operation of this device or its compliance with safety and regulatory standards.

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Customer Assistance

For questions concerning the installation or operation of this product, please visit www.lutron.com/HWsupport



<https://qrco.de/bc6piZ>

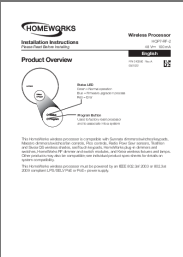
Limited Warranty

For limited warranty information, please scan the code below with a smartphone.






<https://qrco.de/bc6q1V>

Documents / Resources

	<p>HOMEWORKS HQP7-RF-2 Wireless Processor [pdf] Instruction Manual HQP7-RF-2 Wireless Processor, HQP7-RF-2, Wireless Processor, Processor</p>
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References

-  [Lutron: Beautiful light. Intelligent Shades. Powerful Controls](#)
-  [Lutron Support Center](#)
-  [Lutron Support Center | Lutron](#)