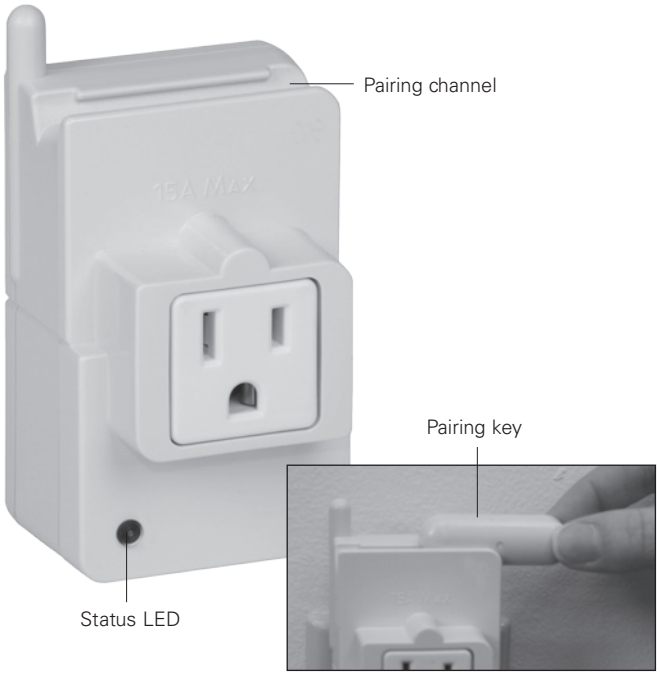
Instructional Leaflet
IL00406001E

Effective November 2011

Eaton Smart Energy Manager Smart Receptacle



Plug for standard grounded outlet (three-prong)

Applications

- Appliances
- Coffee maker
- Curling iron
- Gaming system
- Home computer
- Home theater
- Lighting
- Microwave
- Power tools
- Stereo
- Toaster oven
- VCR

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Introduction

The Smart Receptacle (SR) is part of the Eaton Smart Energy Manager (ESEM) system and is housed in a non-metallic enclosure. The SR plugs into any standard 120 Vac, 15A wall outlet. When a device is plugged into the SR, the SR measures, controls, and reports power consumed by that device wirelessly to the ESEM controller.

- Status information and control of the SR are provided via the ESEM controller
- The SR communicates wirelessly to the ESEM controller, providing load status and control capability
- The SR features an LED for visual indication of operating status
- The SR provides the user a three-prong receptacle rated at 120 Vac, 15A

Users can monitor the power consumed by the device plugged into the SR and control power to the device remotely using the ESEM controller.

Operating parameters:

- 120 Vac
- 15A (maximum)
- Operating temperature –20° to 50°C
- Humidity 10 to 95% (indoor use only)

Installation procedure

Step 1—Plug in

Plug the SR into any 120 Vac wall outlet. Verify that the LED is on or blinking. If the LED is blinking, go to Step 3.

Figure 1.

Step 2—Set up

Slide the "pairing key" through the pairing channel located on the top of the SR. The LED should begin to blink within 2 seconds. Refer to the ESEM controller manual for pairing setup parameters and to complete the configuration process. If the LED does not blink, repeat Step 2 or remove and re-insert the SR into the wall outlet.

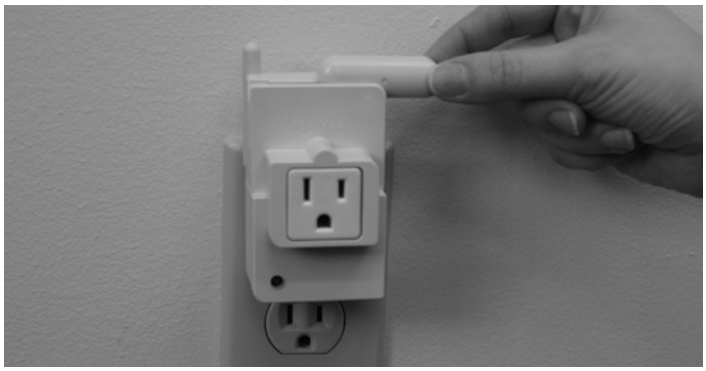

Figure 2.

Step 3—Test and use

Plug the device to be monitored and controlled into the front of the SR and turn it on. If the device does not turn on, go back to the ESEM controller and send a command to turn the device on. [a]

LED status

LED On:

There is power to the device and the device is working, but the SR is not linked to the ESEM controller:

1. Place ESEM controller in join mode—refer to the ESEM controller manual for instructions.
2. Pass the pairing key through top and wait for LED to blink.
3. If LED doesn't blink, pass the pairing key through a second time.

LED Blinking:

The device is working and linked to the ESEM controller.

LED Off:

The SR is not powered or is not operating properly.

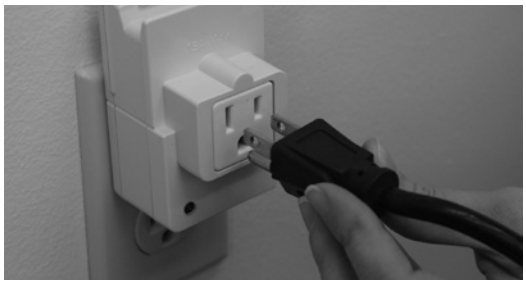

Figure 3.

[a] For use with electrical devices requiring 120 Vac, 15A maximum.

Disconnect procedure

To disconnect the SR from the ESEM controller, slide the pairing key through pairing channel repeatedly until the LED stops blinking.

FCC statement

(Compliance Statement, Part 15.19): This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

WARNING

(PART 15.21): CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THIS EQUIPMENT. TO COMPLY WITH FCC'S RF EXPOSURE LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE, THE ANTENNA(S) USED FOR THIS TRANSMITTER MUST BE INSTALLED TO PROVIDE A SEPARATION DISTANCE OF AT LEAST 20 CM FROM ALL PERSONS, AND MUST NOT BE CO-LOCATED OR OPERATING IN CONJUNCTION WITH ANY OTHER ANTENNA OR TRANSMITTER.

Industry Canada statement

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 the device.

Interference

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, then the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the SR and the receiver
- Connect the SR into a power source on a different circuit from the receiver's

Smart Receptacle maintenance

No serviceable parts. Clean with a soft, dry cloth.

Agency certifications

- ULT 916—Energy Management Equipment (PAZX)
- cULT C22.2 No. 205—Signal Equipment
- Federal Communications Commission—Title 47 CFR FCC, Section 15.109
- Industry Canada—RSS-210

If your Smart Receptacle...

- Will not respond: Make sure that the SR is installed into a powered outlet
- Does not send a signal to the ESEM controller: Refer to the configuration document for setup parameters
- Does not respond to Step 2:
  - Select an alternate location for the SR, or
  - Try moving the ESEM controller to a more central location in your home. Then, complete Step 1 again