




# PULSEWORX RM1-15 Receptacle Module Installation Guide

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**PULSEWORX RM1-15 Receptacle Module**



## FUNCTION

The RM1 is ideal for remotely controlling one or more 120VAC non-dimming appliances with a maximum rating of 15 Amps. The RM1 will replace any standard wall outlet, the top outlet is controlled. No additional wiring is required. Its lower outlet allows vacuums, computers, and other devices that do not require remote control to be plugged in to the normal electrical circuit.

UPB controllers and modules can be freely located anywhere throughout the home. No additional wiring is required and no radio frequency signals are used for communication.

## IMPORTANT SAFETY INSTRUCTIONS

When using electrical products, basic safety precautions should always be followed, including the following:

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
2. Keep away from water. If the product comes in contact with water or other liquid, turn off the circuit breaker and unplug the product immediately.
3. Never use products that have been dropped or damaged.
4. Do not use this product outdoors.
5. Do not use this product for other than its intended purpose.
6. Do not connect multiple lamps or appliances that, when combined, exceed the maximum load ratings of the product.
7. To avoid any risk of fire, burns, personal injury or electric shock, install this product out of the reach of small children.

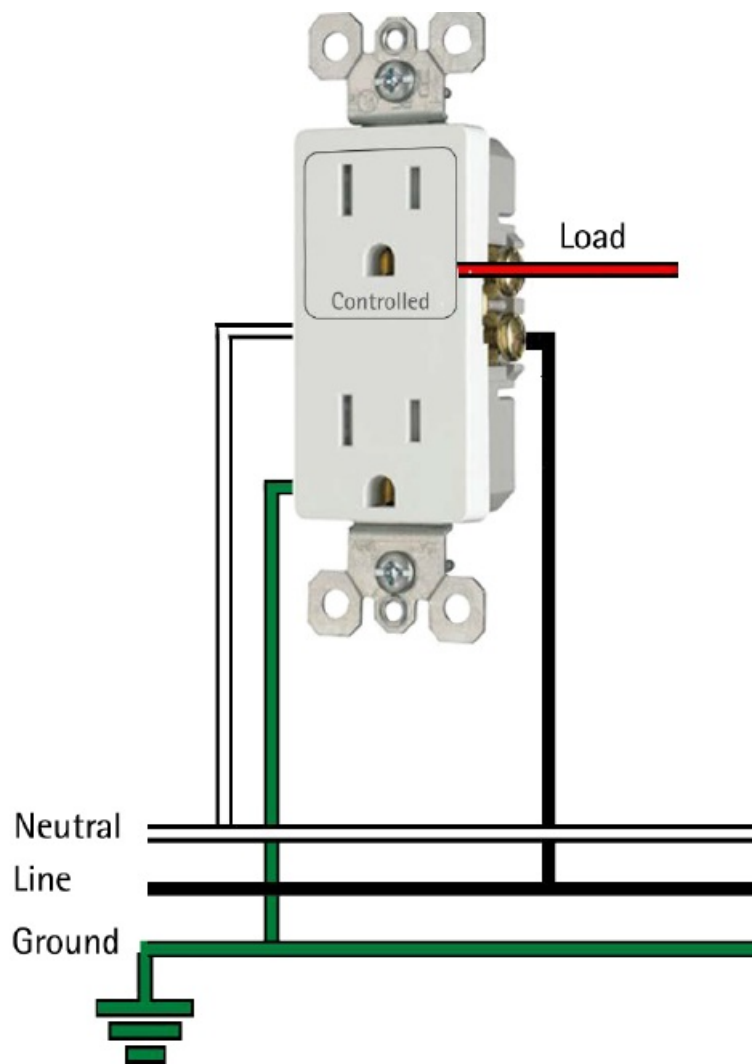
8. Do not cover this product with any material when in use.
9. This product uses grounded plugs and sockets to reduce the risk of electric shock. These plugs and sockets fit only one way. If they do not fit, consult an electrician.
10. SAVE THESE INSTRUCTIONS.

## INSTALLATION

The Receptacle Module is designed for indoor use with devices that plug into a grounded power outlet. To install the RM1 module:

1. Disable circuit supplying power to outlet at the circuit breaker or fuse panel.
2. Remove the existing wall plate and outlet
3. Label wires connected to existing device.
4. Disconnect existing device.
5. Strip wires have a length of  $\frac{1}{2}$  of bare wire.
6. Install device per wiring diagram below.
7. Torque terminal screws to 12-14 inch-pounds
8. Mount the receptacle in to the wall box.
9. Attach wall plate, and then restore power to the circuit.
10. Plug the controlled device into the top socket on receptacle module. The appliance/device current rating must not exceed 15 Amps.
11. Turn the device<sup>TM</sup>s power switch to its ON position.  
If desired, another device can be plugged into the bottom outlet of the receptacle module, which is always powered.

**CAUTION:** Do not insert metal objects into the module while it is connected to power.



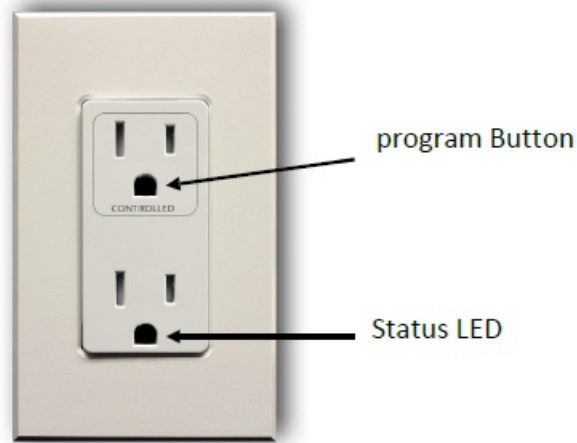
## CONFIGURATION

Once your RM1 is installed it can be configured either manually or with the UPStart Setup Software. Refer to one of the Keypad Controller's Manual Configuration Guide available on the PCS website for further details on Manual configuration to add your RM1 device into a UPB network and link it to various Keypads devices.

Although the factory default operation of the RM1 is very useful in many situations, it is highly recommended that you program your RM1 with a Powerline Interface Module (PIM) and UPStart Configuration Software to take advantage of its many configurable features. User Guides are available on our website, if you need further assistance on how to configure your system.

## OPERATION

The Receptacle Module operates according to commands sent by one or more UPB controllers. The RM1 can accept powerline commands from any UPB-compatible transmitter such as PulseWorx Keypad Controllers, Timed Event Controllers, Wall Switches, Interface Modules, approved Third-Party Controllers and touch screens. The RM1 can be a member of up to 16 scenes with the capability to store a pre-set relay state (on, off, or blink) for each scene.



## SETUP Mode

When configuring, it will be necessary to place the RM1 in SETUP mode. To do this, press the Program Button, located in the top outlet ground hole, five times rapidly using a non-metallic toothpick. The Status LED will continuously blink Blue, located in the bottom outlet ground hole, when the device is in SETUP mode. To exit SETUP mode, press the Program Button once or wait five minutes for it to time out.

## AUTO-OFF Timer

The programmable Auto-Off Timer has the ability to set a “maximum on time” up to 240 minutes. If the appliance is not turned off, the module will implement it automatically. The RM1 can also be configured to inform the network when appliance has been turned off. This feature allows the RM1 to remotely control other devices or update indicator LEDs on Keypads.

## TEST Mode

A manual test feature allows the device to be turned ON and OFF locally. To enable the TEST mode press and hold the Program Button on the RM1 for three seconds. The Status LED will blink Magenta to indicate TEST mode. The appliance can now be turned ON and OFF by single-tapping the Program Button. Press and hold the Program Button again for three seconds to exit from TEST mode.

## Factory Default Settings

To restore the following default settings put the RM1 into SETUP mode and then press the Program Button ten times rapidly. The Status LED will blink red to indicate that factory defaults have been restored. Press the Program Button twice more to stop the blinking.

- Network ID: 255
- Unit ID: 58
- Network Password: 1234
- Receive Components: Scene #1 = ON @ Snap Scene #2 = OFF@ Snap Scene #8 = Blink @ 0.5 secs

## TYPICAL USES

The RM1 is perfect for controlling 120VAC non-dimming loads such as:

- Pumps, Fans

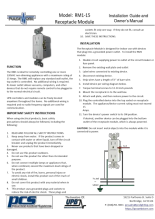
- Low voltage landscape transformers,
- Coffee makers,
- Christmas lights

## LIMITED WARRANTY

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in materials and workmanship for a period of five years from the date of purchase. Refer to the warranty information on the PCS website ([www.pcslighting.com](http://www.pcslighting.com)) for exact details.

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<https://pcswebstore.com>

## Documents / Resources

	<p><a href="#">PULSEWORX RM1-15 Receptacle Module</a> [pdf] Installation Guide  RM1-15 Receptacle Module, RM1-15, Receptacle Module, Module</p>
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## References

- [Powerline Control Systems Online Store — PCS Lighting](#)
- [Powerline Control Systems Online Store — PCS Lighting](#)