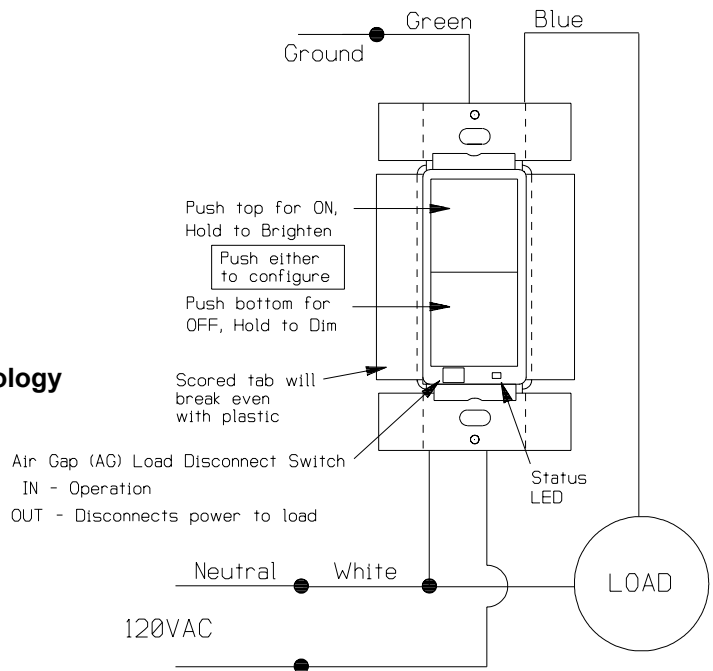




Standard color: White
Supplied with matching decorative switch plate.
Other replaceable trim kits available.

- This product supports Zensor Net Beam technology
- NWI and Scene Capable

Note: This module must be "Included in the Network" **only where it will be permanently installed.** The proper operation of this node in the mesh network is dependent on it knowing its location with respect to other nodes. You cannot "test bench" configure this module.



LRM-1000 WALL MOUNTED DIMMER

The LRM-1000 Wall Mounted Dimmer is a component of the Evolve Guest Controls lighting control system. Wire the Wall Mounted Dimmer in place of the standard wall switch according to the diagram above and program from the Wireless Controller to operate loads. Inclusion of the LRM-1000 Wall Mounted Dimmer on the EHC-100 Wireless Controller menu allows remote ON/OFF control and dimming of lights connected.

This Wall Mounted Dimmer is designed to work with other EvolveNet enabled devices. EvolveNet nodes of other types can be added to the system and will also act as repeaters to increase the range of the network

This product is scene capable.

This product supports 40Kbps data transmission. This product can also be used for networking support in systems that stream metadata. An example might include transmission of information from audio devices such as song title, artist, and album information to various displays.

DANGER! SHOCK HAZARD. Read and understand these instructions before installing. This device is intended for installation in accordance with the National Electric code and local regulations in the United States, or the Canadian Electrical Code and local regulations in Canada. It is recommended that a qualified electrician perform this installation. There are no field repairable assemblies on this unit. If service is needed, the unit must be returned where purchased.

CAUTION! To reduce the risk of overheating and possible damage to other equipment, do not install to control a receptacle, a motor operated appliance, a fluorescent lighting fixture, or a transformer-supplied appliance, but *only permanently installed incandescent lamp fixtures*. Make sure the lamp(s) to be controlled directly from this dimmer total no more than 1000 watts. Do not install this device if there is not at least 10 meters (30 feet) or more of wire between the point of connection and the electrical service panel. Retain instructions for future use.

INSTALLATION

STEP 1. With POWER OFF, wire this LRM-1000 according to the diagram shown. Caution! Do not wire unit "live" (with power on the circuit). Apply power when completed.

Proper Single Gang Installation

Using LRM-1000's standard full heat-sink (all tabs), the connected incandescent lamp load shall not exceed 1000W. If a tab is removed from one side of the LRM-1000 unit, the connected incandescent lamp load must not exceed 900W.

If both tabs are removed from the LRM-1000 unit, the connected incandescent lamp load must not exceed 800W.

Proper Dual Gang Installation

The connected incandescent lamp load must not exceed 900W for each of the two LRM-1000 units.

Proper Triple Gang Installation

The connected incandescent lamp load must not exceed 800W for each of the two LRM-1000 units.

Air Gap Switch

The LRM-1000 has an air gap switch on the face (lower left), that when pulled out, completely removes the power available to the load (simply turning the dimmer off does not). This enables the lamps that are controlled by the device to be changed with minimal danger of electrical shock. The air gap switch must be pushed back in for the dimmer to operate the lamps again.

INCLUDING LRM-1000 TO THE NETWORK

STEP 1. Prepare the Controller to include a unit to the network by adding it to a group (method of adding a node to the network). Refer to controller instructions.

STEP 2. **The LRM-1000 must be in its permanently installed location** to add a node:

Via Network Wide Inclusion (NWI): Tap the switch once. This can be done upon power-up of the node to be included, or once the controller is prepared to add all nodes to the network.

Via Classic Inclusion: Tap the switch twice.

To remove a node: Tap switch twice.

STEP 3. You should see an indication on your Controller that the "DEVICE WAS INCLUDED" or "DEVICE WAS EXCLUDED" in the network.

NOTE: If you have trouble adding the LRM-1000 to a group it may be that the Home ID and Node ID were not cleared from it after testing. You must first "RESET UNIT" with your controller to remove it from the network. If the EHC-100 select "SETUP" and scroll to "RESET UNIT"

Although adding it to a group includes it in the network, removing it from a group does not remove it from the network. If removed from a group, it functions only as a repeater.

BASIC OPERATION

Local Control

Pushing the top or bottom of the switch, the LRM-1000 allows the user to do the following

- Tapping top of the switch turns the load attached ON.
- Tapping bottom of the switch turns the load attached OFF.
- Tapping and holding the top of the switch will brighten the load attached, and tapping and holding the bottom of the switch will dim the load.

LED indication

The LED on the LRM-1000 will turn ON when the load attached is OFF to act as a night light. However, the LED can be user configured to turn ON when the load attached is ON, if so desired,

Remote Control

The LRM-1000 will respond to BASIC and MULTILEVEL commands that are part of the EvolveNet system. Refer to your controller's instructions as to whether your controller can transmit those commands.

All On/All Off

The LRM-1000 supports the ALL ON/ ALL OFF commands.

The LRM-1000 can be set to respond to ALL ON and ALL OFF commands 4 different ways.

Refer to your controller for information on how to set the LRM-1000 to operate in the manner you desire. Some controllers may be only able to set certain settings of ALL ON/ALL OFF response.

The 4 different ways the LRM-1000 can be setup to respond to ALL ON and ALL OFF commands are:

- LRM-1000 will not respond to ALL ON or the ALL OFF command.
- LRM-1000 will respond to ALL OFF command but will not respond to ALL ON command.
- LRM-1000 will respond to ALL ON command but will not respond to ALL OFF command.
- LRM-1000 will respond to ALL ON and the ALL OFF command (default).

Configuration

The LRM-1000 supports the Configuration command.

The LRM-1000 can be configured to operate slightly differently than how it works when you first install it. You can use a EHC-100 to send Configuration commands, (Refer to the Setup Menu, Configuration section) and configure the following:

Night Light

The LED on the LRM-1000 will by default, turn ON when the load attached is turned ON. To make the LED turn ON when the load attached is turned OFF instead, set parameter 3 to a value of 1.

- **Parameter No: 3**
- **Length: 1 Byte**
- **Valid Values = 0 or 1 (default 0)**

Invert Switch

To change the top of the switch to OFF and the bottom of the switch to ON, set parameter 4 to 1.

- **Parameter No: 4**
- **Length: 1 Byte**
- **Valid Values = 0 or 1 (default 0)**

Each Configuration Parameter can be set to its default by setting the default bit in the Configuration Set command. See your controller's instructions on how to do this (and if it supports it).

All Configuration commands will be reset to their default state when the LRM-1000 is excluded from the EvolveNet network by using the controller to reset the node (on the EHC-100 select "SETUP" and scroll to "RESET UNIT").

SPECIFICATIONS

Power	120 VAC, 60 Hz.
Maximum Load	1000W, incandescent lamps only.
Signal (Frequency)	908.42 MHz.
Range	Up to 100 feet line of sight between the Wireless Controller and /or the closest HomePro Receiver Module.

INTER-OPERABILITY WITH EVOLVE™ DEVICES

An Evolve™ network can integrate devices of various classes, and these devices can be made by different manufacturers. The LRM-1000 can be incorporated into existing Evolve™ networks.

The top or bottom of the LRM-1000 switch can be used to carry out inclusion or exclusion.

WARRANTY

For warranty and general product information visit our web site at www.eguestcontrols.com

ABOUT LRM-1000'S CERTIFICATION

The LRM-1000 is certified to comply with applicable FCC and IC rules and regulations governing RF and EMI emissions.

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.

FCC NOTICE

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modifications could void the user authority to operate the equipment.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC NOTICE

This Class B digital apparatus complies with Canadian ICES-003

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type de d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This device complies with Industry Canada licence-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.

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.

