ADVANCED OPERATION

Groups

Use a Miro wireless incandescent dimmer in conjunction with one or more Miro DRD8 Wireless Multilocation Controllers to control one lighting circuit from multiple locations. Binding the DRD2 and DRD8 devices together in the same Group enables them to work in exactly the same way, from any of the control locations.

You can include other Miro wireless devices in the Group. Just remember that all devices in the Group operate when one member operates. If you increase the brightness on one circuit in the Group, all circuits will increase brightness.

Set the House ID (see Set House ID) before setting up Groups.

Creating a New Group

1. Go to any device that you want to include in the Group. Press ⇕. The device LED flashes yellow, and all other devices in the House flash green.

   You now have 5 minutes to complete this process.

2. To include or exclude a device in the Group press ⇕ on the device until the LED changes color. **Yellow** flashing LED = Included in the Group
   Green flashing LED = NOT included in the Group

   If you get to a device and it is NOT flashing, the 5 minute binding process timer may have expired. Go back to step 1 and repeat.

3. Return to the device used in step 1 and press ⇕ to terminate Group binding. All LEDs revert to solid green. Now, all the devices in the Group control their load circuit in exactly the same manner.

Adding a Dimmer to a Group in an Existing System

1. Go to a device that is in the Group where you want to add the dimmer. Press ⇕. The device LED and all members of the Group flash yellow. The new dimmer flashes green.

2. Press ⇕ on the new dimmer until its LED flashes yellow.

3. Return to the device used in step 1 and press ⇕. All LEDs are solid green.

Scene Control

The Miro wireless incandescent dimmer may be easily incorporated into room and whole house preset scenes. The **Miro Installation Guide** provides more information about configuring scenes and presets.

Instructions for installation and use are included with the relevant Miro wireless room and whole house control devices. Application support information and the **Miro Installation Guide** are available online.

CLEANING

Clean using a cloth dampened only with water and a little mild detergent.

Use of solvents or hydrocarbon-based cleaners may cause permanent damage.

TROUBLESHOOTING

During Set House ID, the LED is not flashing on some wireless Miro devices.

- If LED is solid green before initiating House ID binding:
  The device already has another House ID. Reset it to the factory default so that it can be bound to the desired House ID. Resetting to factory defaults is described in the "I need to start over" issue.

- If LED is solid yellow after initiating House ID binding:
  The device may be out of range of the initiating device. Add a MRR2G Miro Wireless Repeater to boost signal range.

I made a configuration mistake. I need to start over.

You can reset any Miro wireless device to factory default settings by pressing and holding ⇕ until the LED changes to solid yellow (approximately 10 seconds). During the process, the LED flashes yellow and when complete, it changes to solid yellow. The device can then be reconfigured, exactly like any new device (see the Set House ID section).

The dimmer does not work and the status LED is flashing red.

- **at 2Hz (10 times in 5 seconds):**
  The dimmer has detected an overload condition and has shut down. To clear the fault condition, tap ⇓ and wait for the LED to turn green. **Disconnect loads in excess of rated load and try again.**

- **at 3Hz (15 times in 5 seconds):**
  The dimmer has detected a short-circuit condition and has shut down. To clear the fault condition, tap ⇓ and wait for the LED to turn green. Remove power, rectify the short-circuit condition, restore power, and try again.

FCC NOTICE

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

Warranty Information

Manufacturer warranties its products to be free of defects in materials and workmanship for a period of five (5) years. There are no obligations or liabilities on the part of manufacturer for consequential damages arising out of, or in connection with, the use or performance of this product or other indirect damages with respect to loss of property, revenue or profit, or cost of removal, installation or reinstallation.

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www.vantagecontrols.com

DRD2
Wireless Incandescent Dimmer

Specifications

Operating Voltage 120VAC, 60Hz
Maximum Load Rating 600W
Minimum Load Required 60W
Load Type Compatibility 60-600W
  Incandescent (tungsten/quartz halogen)

U.S. Patent 6,175,220. Other utility,
design, and foreign patents pending.

![Legrand logo] VANTAGE

UNIT DESCRIPTION

The Miro Decorator Wireless devices use radio signals to communicate with each other to control lighting and other types of electric loads in selected areas. Miro Decorator wireless devices use the 900MHz band for high-speed control communication. Using the patented "frequency-agile" Top Dog™ technology, Miro Decorator wireless devices avoid interference with other 900MHz devices, such as cordless phones and baby monitors.

Load Types

Use the DRD2 incandescent dimmer for these load types (60-600W at 120V):

• Incandescent & quartz halogen lamps

Do not mix different load types on the same dimmer.

Do not use with diode equipped (some types of energy saving) lamps.

Do not use for motors.

⚡ CAUTION	⚡ CAUTION
To reduce the risk of overheating and possible damage to other equipment, do not install to control a receptacle, a motor-operated appliance, or a fluorescent lighting fixture.	**Afin de réduire le risque de surchauffe et la possibilité d'endommager d'autres matériels, ne pas installer pour commander une prise, un appareil à moteur, ou une lampe fluorescente.**

For dimmable, 2-wire fluorescent and compact fluorescent fixtures, magnetic or electronic low voltage, neon or cold cathode fixtures or diode equipped lamps, use the Miro DRD4 wireless universal dimmer, or the Miro DCD267 universal dimmer.

Derating

When more than **one dimmer** is installed in a multi-gang box, it is necessary to reduce the maximum load on each dimmer.

• For a dimmer in either end position of a multi-gang box, reduce its maximum load by 100W.

• For a dimmer in a central position of a multi-gang box, reduce its maximum load by 200W.
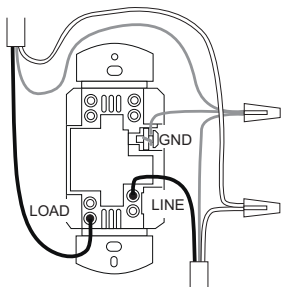
INSTALLATION

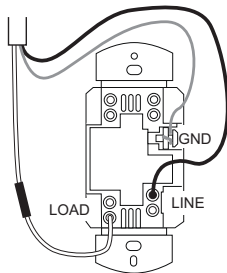For ease of installation, manufacturer recommends use of a deep wall box.

1. Disconnect power to circuit by turning circuit breaker OFF before installation.

2. Remove existing wall plate and switch.

3. Strip existing wires 1/2". If two wires will be connected to the same terminal on a Miro device, both wires must be the same gauge (12AWG or 14AWG).

4. Wire the LINE (black), LOAD and GND supply wires to the correspondingly marked screw terminals, according to one of the wiring diagrams below.

5. If NEUTRAL wires are provided to the fixture, connect them together using a wire nut. The dimmer does not use a neutral connection.

6. Attach the wall plate.

7. Switch the circuit breaker back ON.

> **INSTALL IN COMPLIANCE WITH ALL APPLICABLE
> CODES & STANDARDS.**
> Failure to follow these instructions may cause
> personal injury or equipment damage.
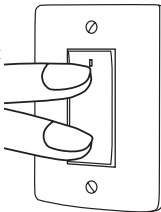

DRD2 wiring

**Switch-leg circuit wiring, to replace
a single-pole light switch**

SET HOUSE ID

All Miro wireless devices installed in the same home must acquire the same unique House ID before use. This process is known as house binding. Each Miro wireless device is bound to all other Miro wireless devices in the house.

New Installation

1. With all devices installed and energized, make sure that every Miro wireless device LED is yellow. If any LED is off, be sure the circuit breaker is on and the device is correctly installed.

2. Press ⇕ on any device paddle until the LED flashes yellow (about 2 seconds). This indicates that it has acquired a unique House ID.

3. Make sure that all other Miro wireless device LEDs are flashing green, indicating that they have acquired the same House ID.

When you see ⇕ in the instructions, firmly press and hold both the top and bottom of the device paddle until the LED changes (about 2 seconds).

4. Return to the device used in step 2, which is still flashing yellow. Press ⇕ until the LED changes to solid green (about 2 seconds). All device LEDs in the house change to solid green, indicating house binding is complete.
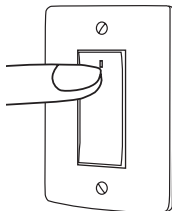
Adding a Device to an Existing Installation

If you're adding or replacing a device in a Miro wireless installation that is already operating, the new device must acquire the same House ID as the other Miro wireless devices in the house. After the new device is powered up, the LED should be solid yellow. This indicates that it has not yet acquired a House ID. To acquire the House ID for the existing system:
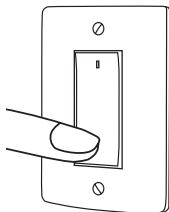
1. Press ⇕ on any **previously bound** device until the LED flashes yellow (about 2 seconds).

2. Verify that the newly added device LED is flashing green, indicating that it has acquired the House ID.

3. Return to the same **previously bound** device used in step 1 and press ⇕ until the LED changes to solid green (about 2 seconds). All device LEDs should now be solid green.

OPERATION

⇧	Tap once	Fade the load to its last-used level
⇧⇧	Tap twice	Full bright
—⇧—	Press and hold	Increase the present level
⇩	Tap once	Fade the load to OFF
—⇩—	Press and hold	Decrease the present level

When you see ⇧ in the instructions, touch the top of the paddle as directed.

When you see ⇩ in the instructions, touch the bottom of the paddle as directed.

The dimmer may feel warm to the touch during normal operation.

Replacing Lamps

When a lamp must be replaced, use the Air Gap Isolation feature for safety. To activate the feature:

Press ⇩ FIRMLY, so that the paddle clicks and latches in.

Make sure the status LED is extinguished, indicating that it's safe to relamp.

To release and return to normal operation, press ⇧. The status LED lights.
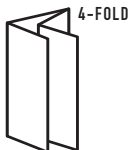
Power Fail Memory

After a power failure, all Miro devices automatically return to the state that they were in immediately prior to loss of power. All configuration and scene control information is preserved.

REV	DESCRIPTION	INT:	REV. DATE	APPROVED
1	ECO# C01694	MCL	8/15/07	CG
2	EC0# C02414	DR		

TITLE BOX PAGE ONLY.
DO NOT MAKE FILM • DO NOT PRINT

- Print: 2-sides
- Ink Color: Black
- Paper: White 16lb (60g/m sq)
  Uncoated, prefer recycled stock
- Final trim size: 16" (Wide) x 6" (High).
- Four (4) fold.
- Final folded size: 4" (Wide) x 6" (High).

4-FOLD

IF YOU HAVE ANY QUESTIONS REGARDING SPECIFICATIONS OR REQUIRE
ADDITIONAL FILE FORMATTING, PLEASE CONTACT Mary Jo Sowinski.
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			Revision Date: 26 SEP 07	