

# Wireless Wall Dimmer (WWD1)

## Installation Instructions

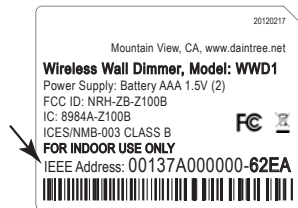
The Daintree WWD1 Wireless Wall Dimmer operates seamlessly within the ControlScope wireless lighting control system. Using wireless communications, this dimmer can be used to turn lights On or Off, as well dim or brighten lights to the desired intensity. Installation is quick and easy without any wires.

### Features

- Suitable for many applications, including commercial office, retail, education and warehouse
- Simple wall mount
- Completely wireless installation

## Installation Process

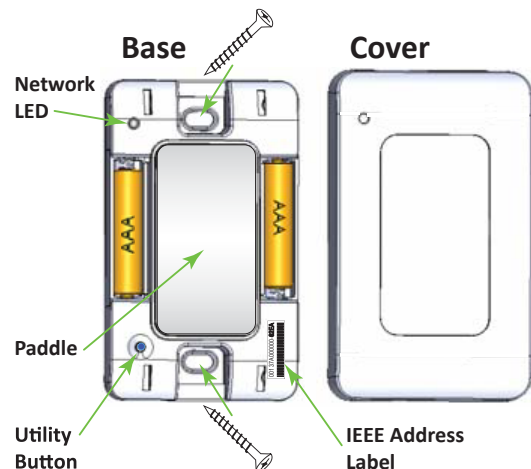
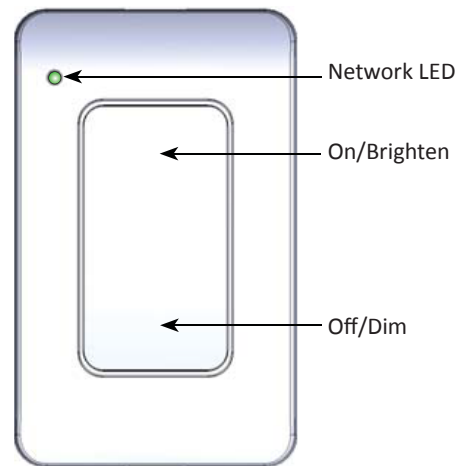
1. Determine the mounting location for the dimmer.
2. Locate the IEEE address on the back of the dimmer base. Record the dimmer's IEEE address and location on the facility floor plan.
3. Remove the cover from the base (as shown on reverse of this page).
4. Attach the mounting base to the wall in the specified location using two screws. The Network LED should be at the upperleft side of the unit.
5. Install the batteries in the orientation (+ -) shown on the bottom of the battery compartments.
6. Press and hold the Utility button for 5 seconds. The Network LED begins to flash rapidly while the dimmer attempts to join the ZigBee network. See the **Green LED: Network Indicator Operation** table. When the Network LED turns on solid for 10 seconds, the dimmer has successfully joined the network.
7. Align the round hole in the dimmer cover with the Network LED on the base. Snap the cover onto the base.



## Packing List

Each WWD1 dimmer package includes these items:

- Dimmer base
- Dimmer cover
- Two AAA 1.5V batteries
- Two mounting screws



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## Joining the Lighting Control Network

The WWD1 communicates using a ZigBee® mesh network coordinated by a Daintree Wireless Area Controller (WAC) to effect lighting control in the ControlScope system. For more information about configuring the lighting control network, see the instructions and on-line help provided with the ControlScope Manager application.

## Operation

Green LED: Network Indicator	Description
<b>Rapid flash</b> (12 times per second) for up to 30 seconds	Device is trying to join ZigBee network. If it fails to join, it will retry after 15 minutes.
<b>Solid for 10 seconds</b>	Device successfully joined a ZigBee network.
<b>Flashes once</b>	Device has been activated while in the network.
<b>On for 2 seconds every 30 seconds</b>	A low battery alert will be generated in CSM

Function	Dimmer Paddle
<b>Turn on lights</b>	Press and immediately release the top.
<b>Increase light intensity</b>	Press and hold the top.
<b>Decrease light intensity</b>	Press and hold the bottom.
<b>Turn off lights</b>	Press and immediately release the bottom.

**Note:** Dimming from the highest level to the lowest level takes about 4 seconds.

## FCC warning message

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.

### Specifications

<b>Power Supply</b>	Two AAA 1.5V batteries Battery Life: 5 years
<b>Operating Voltage</b>	DC 2.3V-3.6V
<b>Radio Properties</b>	2.4 GHz, +7dBm transmit power
<b>FCC ID (USA)</b>	NRH-ZB-Z100B
<b>IC (Canada)</b>	8984A-Z100B ICES/NMB-003 CLASS B
<b>Operating Environment</b>	Indoor, dry location. 14° to 122° F (-10° to 50° C)
<b>Storage Temperature</b>	-40° to 185° F (-40° to 85° C)
<b>Mounting</b>	Wall; 2 screws
<b>Dimensions</b>	2.76" W x 4.49" H x 0.59" D (70mm W x 114mm H x 15mm D)



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## Maintenance

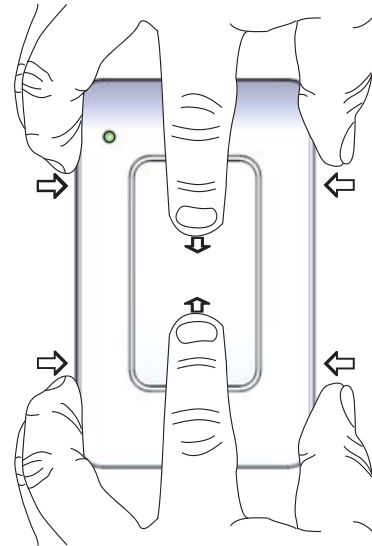
Clean the dimmer cover only using a damp cloth and mild detergent if necessary. Use of harsh chemicals or solvents could cause permanent damage.

### Changing the batteries

The Network LED turns On for 2 seconds every 30 seconds to indicate a low battery condition. Replace the batteries immediately upon noticing this condition. Under normal use, the batteries can last up to 5 years.

**1. To remove cover:**

- A. Grasp the long edges of the cover with two fingers from each hand on one side, and the thumbs of both hands on the other side. Use the index finger of both hands to press down firmly on both ends of the paddle. Squeeze and lift the long edges of the cover as you push down on the paddle. The cover will pop off the base.



-or-

- B. Insert a wide blade screwdriver in either the top or bottom notch in the base of the cover. Press down firmly on the paddle then twist the screwdriver to loosen the cover. Insert the screwdriver in the notch on the opposite edge of the cover then twist to pop off the cover.

**3. Remove both old batteries and discard properly. Do not mix old and new batteries, or batteries from different manufacturers.**

**4. Install two new AAA 1.5V batteries. Observe the orientation (+ -) shown on the bottom of the battery compartments.**

**5. After replacing the batteries, press the Utility button for two seconds. The Network LED should flash twice.**

**6. Align the round hole in the dimmer cover with the Network LED on the base. Snap the cover onto the base.**

