

DHC One-Address Wall Mounted Rocker-Within-A-Rocker Dimming Controller

APPLICATION

- Fits in standard wallboxes and replaces regular switches to provide remote control of a selected receiver without the need for traditional 3-way wiring, and without the need for a dedicated traveler wire.

Note: The HXC1D-1TW does not control the load.

- Outer traditional Decora-style rocker sends ON and OFF commands to a selected address.
- Inner rocker sends BRIGHT & DIM commands to a selected address.

Leviton's HXC1D-1TW utilizes proven Power Line Carrier (PLC) technology to control any manufacturer's PLC power-handling device that complies with the X-10 communications protocol guidelines.

These devices include, but are not necessarily limited to:

- In-wall dimmers
- In-wall switches
- Plug-in dimmers
- Plug-in relay (appliance) modules
- Fixture dimming modules
- Fixture relay modules
- Low Voltage interface modules for use with sprinkler systems, drapery controls, home theater applications and more.

FEATURES AND BENEFITS

- Controls Leviton's DHC devices as well as any other manufacturer's X-10 protocol compliant devices.
- Utilizes existing 60Hz 120V AC house wiring for "No New Wires" installation, when neutral wire is present in existing boxes.
- Leviton's patented Intellisense™ Technology greatly improves reliability and reduces false responses compared to other manufacturers' products by virtually eliminating signal problems due to noise.



Cat. No. HXC1D-1TW

- Green LED illuminates to indicate ON command sent or STATUS ON report received.
- Features Leviton's classic Decora style rocker to blend seamlessly with other Decora devices.
- Color change kits allow fast color changeovers. Devices ship in White only. See chart for Color Change Kits (must be purchased separately).
- May be used to control lights and loads remotely.
- Compatible with Decora screwless and Decora standard designer wallplates.

TYPICAL SPECIFICATION

The One-Address Wall Mounted Rocker-Within-A-Rocker dimming controller controls all properly addressed PLC devices that are X-10 compliant and of the appropriate type via 120 KHz signals transmitted over 120VAC, 60Hz power lines. It features Leviton's Intellisense™ Technology (gated automatic gain control). It utilizes a green LED that illuminates to indicate ON command sent or STATUS ON report received. It features Leviton's classic Decora styling to blend seamlessly with other Decora devices. It is compatible with Decora screwless and standard designer wallplates. It has available color change kits in White, Ivory and Almond.



SPECIFICATION SUBMITTAL

JOB NAME: <input type="text"/>	CATALOG NUMBERS: <input type="text"/>	
JOB NUMBER: <input type="text"/>	<input type="text"/>	<input type="text"/>

Product Specifications

HXC1D-1TW

STANDARDS COMPLIANCE

Meets all applicable standards:
 Standard and Extended X-10 Code Format (XTC798)
 UL Listed (File #E-66800)
 CSA Certified (File #LR-54628)
 UL 244A tested

SPECIFICATIONS

Dimensions: 4.11" H x 2.38" W x 1.38" D
 Rating: 120VAC, 60Hz
 Power Consumption: 3W
 Output Frequency: 120KHz

INSTALLATION CONSIDERATIONS

- Cat. No. HCA02-10E coupler/repeater must be installed in all panels of every DHC installation to insure maximum signal strength.
- Maximum of 4 "transmit-capable" devices (controllers, programmers and 2-way receivers) should be installed on a single branch circuit

COMMUNICATION

Transmits:

- Address ON – when top of large (outer) rocker is pressed, the command is sent to all units with same address (House code & Unit code) as controller/transmitter.
- Address OFF – when bottom of large (outer) rocker is pressed, the command is sent to all units with same address (House code & Unit code) as controller/transmitter.
- Address BRIGHT – when top of small (inner) rocker is pressed and held, the command is sent to all (DIM/BRIGHT capable) units with same address (House code & Unit code) as controller/transmitter.
- Address DIM – when bottom of small (inner) rocker is pressed and held, sends command to all (DIM/BRIGHT capable) units with same address (House code & Unit code) as controller/transmitter.

Receives:

- STATUS ON and STATUS OFF reports from any 2-Way capable receivers whose addresses correspond to the base address of the controller when status of the receiver is changed manually.

PROGRAMMING

Unit requires that a Base address be set using simple programming controls located behind the easily removed color change kit. This base address, consisting of both House Code and Unit Code, determines the address (or addresses) that the transmitter can control. Factory house and unit code is set to A1.

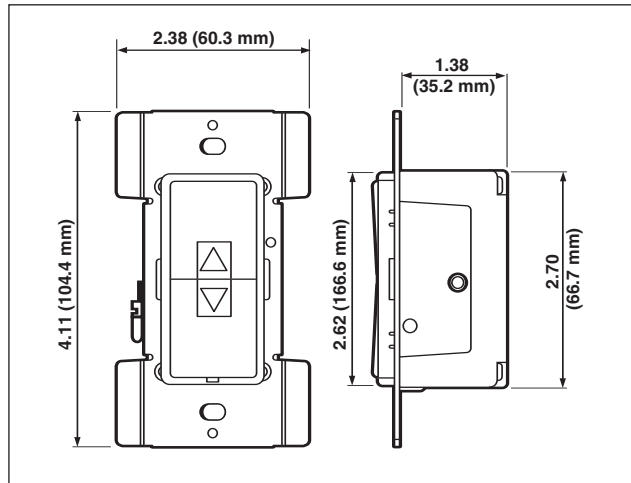
COLOR CHANGE KIT CAT NOS.

Ivory	DRK1D-00I
White	DRK1D-00W
Almond	DRK1D-00A

WARRANTY INFORMATION

Two-year limited product warranty

DIMENSIONAL DRAWINGS



LEVITON SPECIFICATION SUBMITTAL

JOB NAME: <input type="text"/>	CATALOG NUMBERS: <input type="text"/>	
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