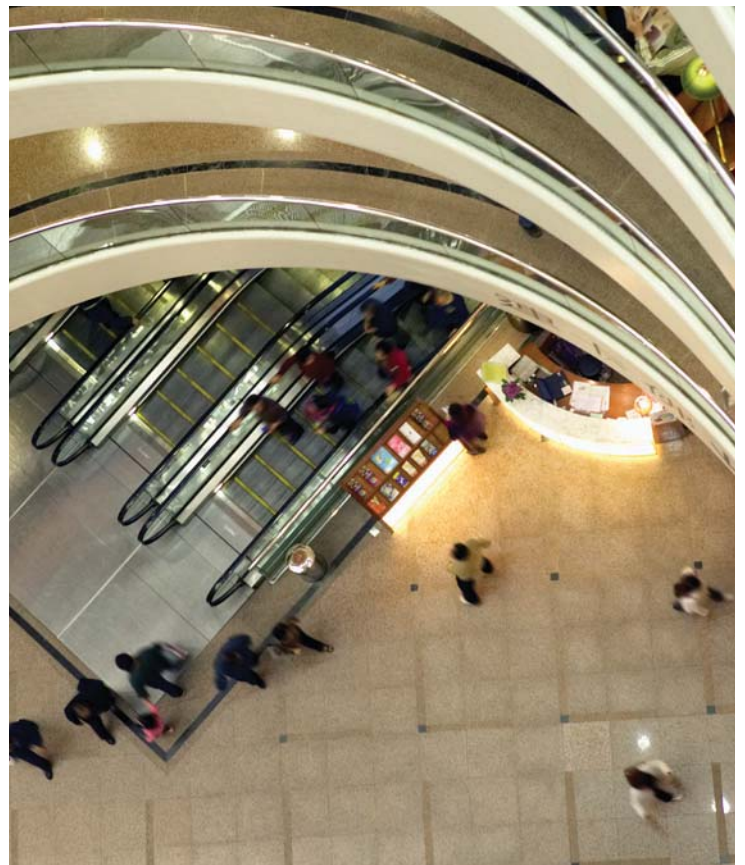
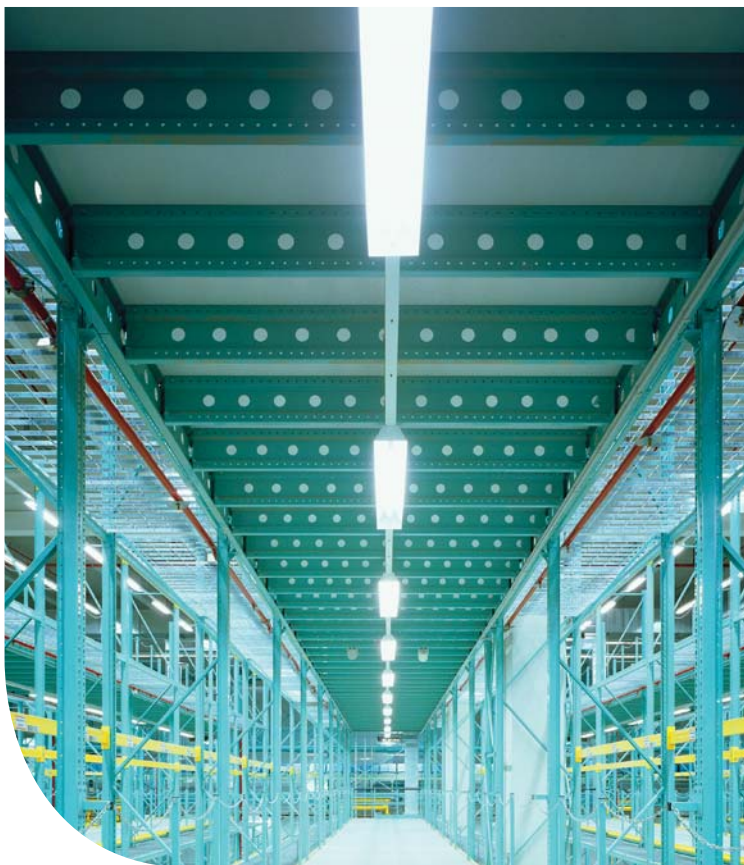
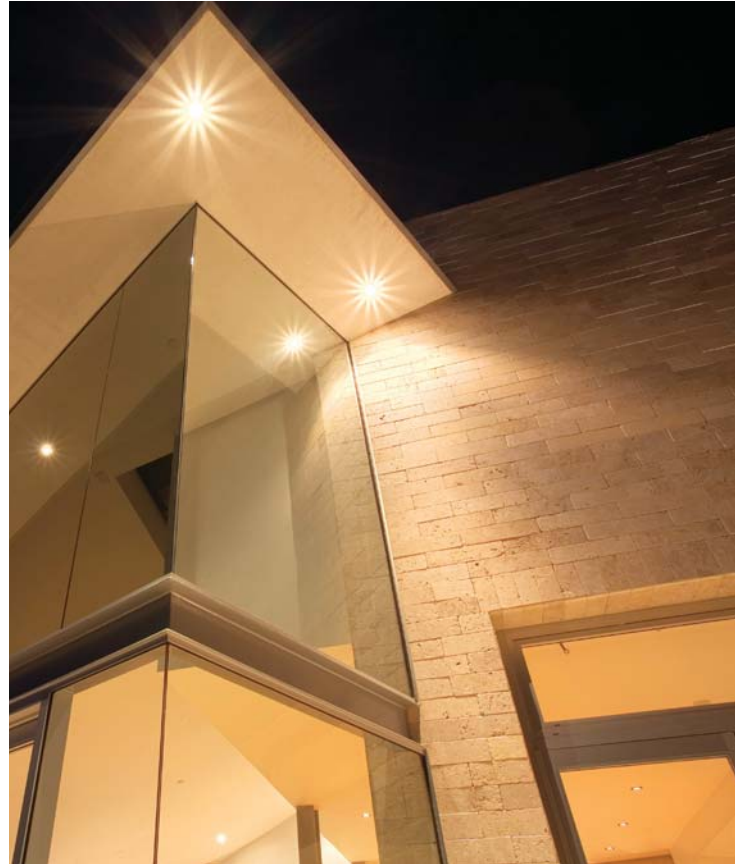


Smart Products. Ingenious Solutions.

Wiring Devices, Energy Management
Solutions and Commercial Data
Infrastructure Products

L-200





Home Automation

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Residential Grade

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Residential Grade

Vizia RF +® Home Controls

Join a revolution in the home automation industry with Vizia RF +® wireless lighting and home control technology. Innovative and affordable, with features that are desired by professional installers and appreciated by homeowners, Vizia RF + helps reduce energy consumption. It provides dramatic scene transitions, extended zone lighting control, industry standard 2-way status updating and true integration of household electrical devices. Use Vizia RF + to enhance new construction or to refresh existing homes and residences.

Equipped with Z-Wave®, the leading home automation technology, Vizia RF + allows tailoring of the perfect home control solution. Imagine a home in which the lighting automatically adapts to your needs. With Vizia RF +, this dream can become reality without straining your energy resources or budget.

For example, in the kitchen one button can slowly dim the ceiling light while subtly brightening the chandelier over the kitchen table. Vizia RF + can control other rooms just as impressively. It also works well with exterior fixtures, enabling them to be controlled throughout the house.

The Vizia RF + product line includes new customer-requested features that increase its options, such as 49 selectable fade rates, an Energy Save mode, customizable preset maximum and minimum brightness levels, and more control of locator LED activity.

Matching an automation system to a homeowner's lifestyle is easy with Vizia RF +, the wireless home control system preferred by professionals. Vizia RF + is simply brilliant inside and out.



Dimmers

Specifications and Features

- Universal design provides crisp actuation and minimal travel
- 49 possible combinations of fade rates, from soft to instant
- Separate fade up and fade down speeds
- Energy Save option reduces power consumption and extends bulb life
- Preset On Level option sets the brightness level when the device is turned on, regardless of the previous level
- Minimum Brightness Level option sets the minimum brightness level the dimmer will output prior to turning completely off
- LED Display options control the length of time they remain lit
- Push pad always returns to neutral position regardless of load status
- Compatible with Decora Plus™ screwless wallplates and Decora® wallplates
- Complements Vizia +® Lighting Controls
- Color change kits are available to allow fast color changeover and simplify stocking inventory
- Manual and remote ON/OFF/DIM/BRIGHT control of connected loads
- ON/OFF/DIM/BRIGHT scene and zone control capability
- Responds to Vizia RF + Controllers as well as selected Z-Wave certified controllers from other manufacturers
- Works with the Vizia RF + 1-Zone Controller/Virtual Dimmer Remote (VRCZ1-1L) for RF virtual 3-way control without the need for traditional 3-way wiring or for a dedicated traveler wire
- Works with Vizia +® (non-RF) Matching and Coordinating Remotes (VP00R) for hardwired 3-way or up to 10-location control
- 2-way status
- Easy to clean, high gloss finish complements a wide range of décors
- DIM/BRIGHT bar allows user to select brightness level when lights are ON or OFF - green LED displays brightness level
- Power-failure memory allows light levels to return to the same levels set prior to a power interruption
- RFI filtering for radio, audio and video equipment
- Air gap switch disconnects power from load locally. It is concealed during normal operation and is accessible without removing the wallplate
- Limited Five-Year Warranty

COLOR CHOICES

To order colors, add suffix to Cat No.



White
(-W)



Ivory
(-I)



Almond
(-A)



Lt. Almond
(-T)



Grey
(-G)



Black
(-E)



Brown
(-B)

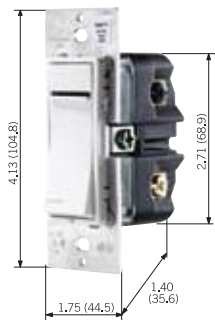


Red
(-R)

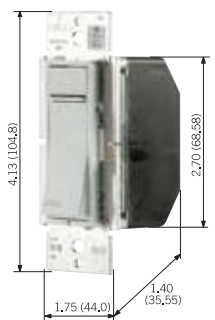
Residential Grade

VIZIA RF +[®] SCENE CAPABLE DIMMERS FOR SINGLE POLE, 3-WAY OR MULTI-LOCATION APPLICATIONS

Dimmers



VR106-1L



VRM10-1L

Description	Rating	Cat. No.	Color
Incandescent Dimmer with LED locator and brightness display	600W - 120VAC 60Hz	VR106-1L	X, Z
Incandescent Dimmer with LED locator and brightness display	1000W - 120VAC 60Hz	VR10-1L	X, Z
Magnetic Low Voltage Dimmer with LED locator and brightness display	1000VA - 120VAC 60Hz	VRM10-1L	X, Z
Electronic Low Voltage Dimmer with LED locator and brightness display	600W - 120VAC 60Hz	VRE06-1L	X, Z

Fan Speed Controls

Quiet Fan Speed Control with LED locator and fan speed display	1.5A - 120VAC 60Hz	VRF01-1L	X, Z
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COLOR CHANGE KIT FOR VIZIA RF + DIMMERS

Description	Cat. No.	Color
Matching Dimmer/Fan Speed Control Color Change Kit with LED locator and brightness display	VPKIT-MD	W, I, A, T, G, E, B, R

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #152105)
- NOM Certified (#057)
- Complies with FCC Part 15, Class B
- Z-Wave Certified

MATERIAL CHARACTERISTICS

Operating Temperature: 0°C to 55°C
Relative Humidity less than 20% to 90% (non-condensing)

COLOR

Some products come packaged with three colors. Products with suffix (-X) include White, Ivory and Almond; products with suffix (-Z) include White, Ivory and Light Almond. Color Change kits available in the following colors: White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Gray (-G), Black (-E), Brown (-B), and Red (-R)



Related Products

Use Leviton Power Extenders to extend the load capacity of Vizia RF + dimming wall switch receivers. [See page 227 for more information.](#)

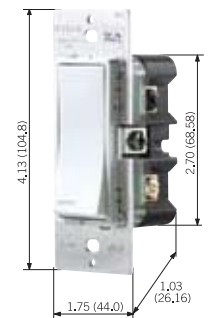
Switches

Specifications and Features

- Push pad always returns to neutral regardless of load status
- Compatible with Decora Plus™ screwless wallplates and Decora wallplates
- Vizia RF +® style push pad blends seamlessly with other devices in the Vizia +® collection
- Manual and remote ON/OFF control of connected loads
- ON/OFF scene and zone control compatibility
- LED Display options control the length of time they remain lit
- Universal design provides crisp actuation and minimal travel
- Responds to Vizia RF + Controllers as well as selected Z-Wave certified controllers from other manufacturers
- Works with the Vizia RF + 1-Scene Controller/Virtual Switch Remote (VRCS1-1L) for wireless RF virtual 3-way control without the need for traditional 3-way wiring or for a dedicated traveler wire
- Works with Vizia + (non-RF) Matching and Coordinating Remote (VPOSR-10) for hardwired 3-way or up to 10-location control
- 2-way status
- Pro Level integration with selected products and brands
- UL required air gap switch disconnects power from load locally. It is concealed during normal operation and is accessible without removing the wallplate
- Color change kits are available to allow fast color changeover and simplify stocking inventory
- Limited Five-Year Warranty

VIZIA RF + SCENE CAPABLE SWITCH FOR SINGLE POLE, 3-WAY OR MULTI-LOCATION APPLICATIONS

Description	Rating	Cat. No.	Color
Scene Capable Switch with LED locator	15A	VRS15-1L	X, Z
	1800W Resistive		
	1800W Incandescent		
	1800VA Fluorescent		
	1800VA Inductive		
	1/2 HP Motor (9.8A)		
Incandescent Scene Capable Switch with LED locator	5A	VRS05-1L	X, Z
	Incandescent only (no neutral required)		



VRS15-1L

COLOR CHANGE KIT FOR VIZIA RF SWITCH

Description	Cat. No.	Color
Matching Switch Color Change Kit with LED locator	VPKIT-MS	W, I, A, T, G, E, B, R

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #152105)
- NOM Certified (#057)
- Complies with FCC Part 15, Class B
- Z-Wave Certified

MATERIAL CHARACTERISTICS

Operating Temperature: 0°C to 55°C
 Relative Humidity less than 20% to 90% (non-condensing)

COLOR

Some products come packaged with three colors. Products with suffix (-X) include White, Ivory and Almond; products with suffix (-Z) include White, Ivory and Light Almond. Color Change kits available in the following colors: White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Gray (-G), Black (-E), Brown (-B), and Red (-R)

Residential Grade

Controllers

Specifications and Features

- Easy to clean, high gloss finish complements a wide range of décors
- Controller fits in standard wall box and utilizes existing 120VAC 60Hz wiring to replace a regular switch (when neutral wire is present) for easy “no-new-wires” installation
- 2-way status updates
- Compatible with Decora Plus™ screwless wallplates and Decora wallplates
- Popular Vizia + style push pad blends seamlessly with other devices in the Vizia + collection
- Custom Engraving available on VR6C52, VRC54 and VRCZ4
- Limited Five-Year Warranty

Vizia RF +® 1-Button Scene Controller/Virtual Switch Remote (VRCS1)

- Consistent form factor, excellent ergonomic traits and appealing tactile touch and feel
- Provides remote ON/OFF control of one scene
- Virtual 3-way and multi-location remote ON/OFF control of selected Vizia RF + switches without the need for traditional 3-way wiring or a dedicated traveler wire
- Green LED illuminates to indicate controlled scene. When acting as a virtual remote, LED will illuminate when the load is OFF
- LED Display options control the length of time they remain lit

Vizia RF + 1-Button Zone Dimming Controller (VRCZ1)

- Provides remote ON/OFF/DIM/BRIGHT control of one Vizia RF + Dimmer
- Virtual 3-way remote dimming control of selected Vizia RF + dimmers without the need for traditional 3-way wiring or a dedicated traveler wire
- DIM/BRIGHT bar allows user to select brightness level when lights are ON or OFF – green LED displays brightness level
- Green LED locator illuminates to indicate controlled zone or load is OFF
- LED Display options control the length of time they remain lit

Vizia RF + 4-Button Scene Controller (VRCS4)

- Provides remote ON/OFF/DIM/BRIGHT control of four scenes of selected Vizia RF + devices
- Integrated infrared (IR) port
- Green LED illuminates when the assigned scene is ACTIVE

Vizia RF + 4-Button Zone Controller (VRCZ4)

- Provides remote ON/OFF/DIM/BRIGHT control of four zones/areas of selected Vizia RF + devices
- Integrated infrared (IR) port
- Green LED illuminates when assigned zone/area is ACTIVE

Combination Controllers

- Perfect for retrofit applications — local control of load and scene or zone capability
- Controller fits in standard wallbox and utilizes 120VAC-240VAC, 50/60Hz wiring
- Local and remote control of two loads in one wallbox (VRCS2)
- Button label kits available for VRCZ4-MR and VRCS4-MR

VIZIA RF + WALL CONTROLLERS

Description	Rating	Cat. No.	Color
1-Button Scene Controller/ Virtual Switch Remote	No Load Rating 120VAC-60Hz	VRCS1-1L	X, Z
Vizia RF + 1-Button Zone Controller/ Virtual Dimmer Remote	No Load Rating 120VAC-60Hz	VRCZ1-1L	X, Z
Vizia RF + 4-Button Scene Controller	No Load Rating 120VAC-60Hz	VRCS4-1L	X, Z
Vizia RF + 4-Button Zone Controller	No Load Rating 120VAC-60Hz	VRCZ4-1L	X, Z



VRCZ4-MR

VIZIA RF + COMBINATION CONTROLLERS

Description	Rating	Cat. No.	Color
4-Button Zone Controller with Switch and IR Remote Capability	1800W/1800VA 1/2 HP 120-240VAC 50/60 Hz	VRCZ4-MR	X, Z
4-Button Scene Controller with Switch and IR Remote Capability	1800W/1800VA 1/2 HP 120-240VAC 50/60 Hz	VRCS4-MR	X, Z
2-Button Scene Controller with Switches with LEDs	1000W/1000VA 1/4 HP (per switch) 120-240VAC 50/60 Hz	VRCS2-MR	X, Z



VRCS4-MR

COLOR CHANGE KITS FOR VIZIA RF CONTROLLERS

Description	Cat. No.	Color
1-Button Zone Controller/Virtual Dimmer Remote Color Change Kit with LED locator and brightness display for VRCZ1	VPKIT-MD	W, I, A, T, G, E, B, R
1-Button Scene Controller/Virtual Switch Remote Color Change Kit with LED locator for VRCS1	VPKIT-MS	W, I, A, T, G, E, B, R
4-Button Scene Controller Color Change Kit with LED locator for VRCS4	VPKIT-S4	W, I, A, T, G, E, B, R
4-Button Zone Controller Color Change Kit with LED for VRCZ4	VPKIT-Z4	W, I, A, T, G, E, B, R
4-Button Scene Controller Label Kit with LED locator for VRCS4	VPSLB-S4	W, I, A, T, G, E, B, R
4-Button Zone Controller Label Kit with LED for VRCZ4	VPZLB-Z4	W, I, A, T, G, E, B, R
2-Button Scene Controller with Switches Color Change Kit with LED for VRCS2	VRKIT-DS	W, I, A, T, G, E, B, R

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #152105)
- NOM Certified (#057)
- Complies with FCC Part 15, Class B
- Z-Wave Certified

MATERIAL CHARACTERISTICS

Operating Temperature: 0°C to 55°C
Relative Humidity less than 20% to 90%
(non-condensing)

COLOR

Some products come packaged with three colors. Products with suffix (-X) include White, Ivory and Almond; products with suffix (-Z) include White, Ivory and Light Almond. Color Change kits available in the following colors: White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Gray (-G), Black (-E), Brown (-B), and Red (-R)

Residential Grade

vizia rf +[®]

Custom Engraved Button Order Form

To order Vizia RF + Custom Engraved Buttons, please complete order form and submit to a Leviton distributor for order processing.

Please check one category: **Installer** **Homeowner** **Distributor**

Bill To:

Name: _____

Company: _____

Customer Account Number: _____

Address: _____

City, State, Zip: _____

Ship To: Same as Billing Address

Name: _____

Company: _____

Address: _____

City, State, Zip: _____

Color: White Ivory Light Almond Gray Black Brown Red

Button Configuration:



or



or



4-Button Scene (VPKIT-0S4)

4-Button Zone (VPKIT-0Z4)

2-Button Scene (VRKIT-0DS)

Engraving Options:

- Initial Caps
- ALL UPPER CASE
- all lower case

Maximum of 10 characters including spaces

1

2

3

4

Terms:

Please verify that the form is filled out completely and correctly before submitting. Leviton is not responsible for incomplete or misspelled words. Custom engraved buttons cannot be returned. Copy form if additional custom engraved controller buttons are needed. Form must be submitted by a Leviton Distributor. Please allow 4-6 weeks for processing and delivery.

Send completed forms to:

Email to customerservice@leviton.com or Fax to 1-800-832-9538

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Plug-In Modules

Specifications and Features

- Green Locator LED
- Limited Five-Year Warranty

Vizia RF +[®] Scene Capable Plug-in Appliance Module (VRP15)

- Provides 15A-120VAC NEMA 5-15R grounding receptacle for use with a wide variety of lamps and appliances
- Provides manual ON/OFF switching of plug-in load and remote scene and zone control compatibility
- 2-way status
- Protected memory maintains ON/OFF status of loads and during minor power fluctuations

Vizia RF + Scene Capable Plug-in Lamp Dimming Module (VRP03)

- Provides NEMA polarized 1-15R 2-blade receptacle for use with incandescent lamps
- Load Sensing feature allows lamp to be turned ON manually using the lamp's switch or the integrated ON/OFF button
- Provides manual and remote ON/OFF/ DIM/BRIGHT control of plug-in lamps
- 2-way status
- Provides ON/OFF/DIM/BRIGHT scene and zone control capability
- Protected memory maintains ON/OFF/Brightness level status of connected loads and device ID programming during minor power fluctuations

Vizia RF + Plug-In Serial Interface Module, ASCII to Z-Wave Interface (VRC0P)

- Provides RJ11 connector for RS232 or selected HAI[®] component connection
- Two-way communication between related Controller(s) and Module
- Protected memory and device ID programming during minor power fluctuations
- Transient surge protection to IEC Level 4
- ESD protection to IEC 1000 4-2 Level 4 to protect against damage and memory loss due to static discharges
- Includes serial cable
- Z-Wave[®] compatible

Vizia RF+ Scene Capable Receptacle

- LED display option allows the green LED to be turned OFF
- Load sensing option allows a lamp or other device plugged into the controlled side to be turned ON manually using the lamp's integrated ON/OFF button
- Controlled side can be used for wireless ON/OFF control of plugged-in electrical loads, such as lamps, appliances and electronics
- Non-controlled side is a tamper-resistant receptacle that provides constant power
- TR symbol on receptacle strap assures that it meets the 2008 NEC[®] code requirement
- Split Duplex tamper resistant receptacle

Residential Grade

VIZIA RF +[®] SCENE CAPABLE PLUG-IN MODULES



VRP15-1L

Description	Rating	Cat. No.	Color
Vizia RF + Scene Capable Plug-In Appliance Module	15A 1800W Incandescent, 1800VA Fluorescent, 1800W Resistive, 1800VA Inductive and 1/2 HP motor loads @ 120VAC-60Hz	VRP15-1L	W
Vizia RF + Scene Capable Plug-In Lamp Dimming Module	300W Incandescent @ 120VAC-60Hz	VRP03-1L	W
Vizia RF + Plug-In Serial Interface Module, ASCII to Z-Wave Interface	No Load Rating 120VAC-60Hz	VRC0P-1L	W
Vizia RF + Split Duplex TR Receptacle with LED Locator	1800W, 1800VA, 1/2 HP motor loads @: 120VAC- 60Hz	VRR15-1L	Z



VRP03-1L

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #152105)
- NOM Certified (#057)
- Complies with FCC Part 15, Class B
- Z-Wave Certified

MATERIAL CHARACTERISTICS

Receptacle: Operating Temperature: 0°C to 55°C

COLOR

White (-W). Some products come packaged with three colors. Products with suffix (-Z) clude White, Ivory and Light Almond

HAZ is a registered trademark of Home Automation, Inc.

Programming and Handheld Remotes

Specifications and Features

Remote Controller/Programmer (VRCPG)

- Primary device for creating and programming a Vizia RF + system
- Provides user-level control of up to 128 devices
- Creates up to 128 areas
- Customizes up to 16 profiles
- Creates up to 255 scenes
- Integrated step-by-step setup guide
- Can operate as a secondary remote control
- Creates scheduled events including dusk and dawn (timer version VRCPG-OSG only)
- Provides remote control (ON/OFF/DIM/BRIGHT/SCENE/ZONE) of devices in the Vizia RF + network

IR Remote Controller (VRMR1)

- Works with Vizia RF + IR compatible controllers
- Controls four scenes and four zones

ThinkEssentials® Pro Edition Software by ControlThink® (CTTEP-20W)

- Self-tuning optimization for premium Z-Wave performance
- Professional Z-Wave system programming
- Superior integration with Vizia RF + products
- Install, optimize, integrate and maintain a high performance Z-Wave network
- Patent pending disaster recovery for many Z-Wave system repairs
- Installer software requires Windows XP® or Vista® (32-bit and 64-bit)

VIZIA RF + PROGRAMMING AND HANDHELD REMOTE CONTROLLERS

Description	Cat. No.
RF Handheld Remote Controller, Programmer (Basic)	VRCPG-BSG
RF Handheld Remote Controller Programmer/Timer (Internal astronomical clock)	VRCPG-OSG
Vizia RF + IR Handheld Remote Controller	VRMR1-OSG
ThinkEssentials® Professional Edition for installers	CTTEP-20W

TESTING AND CODE COMPLIANCE

- Complies with FCC Part 15, Class B
- Z-Wave Certified

Windows XP® and Windows Vista® are registered trademarks of the Microsoft Corporation, Inc. ThinkEssentials is a registered trademark of ControlThink® Inc.



VRCPG-SG

Residential Grade

Decora® Home Controls

How often does home control require a simple solution? Not the complexity of a whole house integration, rather the ability to simply control a light from across a room, or turn on a fan in another room. DHC is the ideal solution for such a task. There are wireless solutions that are well suited for whole house integrations, but the traditional power line protocol is still an ideal solution for many common household tasks. And it peacefully coexists with modern wireless home control technologies. DHC is extraordinarily flexible. By remote or keypad, it allows you to turn lights and appliances on and off, dim lights or make them brighter, or create a mood by commanding certain lights to work together. DHC incorporates X10 Power Line Carrier (PLC) technology. And DHC is equipped with Intellisense™ circuitry to overcome some of the more common interference problems in other X10 based systems. This exclusive Leviton innovation allows DHC Receivers to ignore most of the noise that is on your power line to maintain the integrity of your commands.

In performance, in appearance, in installation, DHC is a truly elegant solution.



Intellisense™ is a trademark of Leviton Manufacturing Co., Inc.

DHC Controllers — Green Line

Specifications and Features

Toscana™ Deluxe Programmer

- Central access station for manual control of the system
- No programming experience required – use simple wizards for setup
- Automatically turns appliances ON/OFF and lights ON/OFF/DIM/BRIGHT
- Controls up to 256 devices in a DHC home system
- Leviton's patented Intellisense technology reduces signal problems due to line noise
- 2-way communication capability registers status changes when receivers with 2-way communications are manually changed
- Permits input of real device names to specify control (such as “wall sconce”) rather than cryptic house and device codes (e.g. B5)
- Automatically turns lights ON/OFF at dusk and/or at dawn (astronomical clock)
- Allows creation of up to 64 timed events that can reoccur annually
- Creates and downloads complex timed events and macros using a PC with RS-232 port
- Backs up and restores all system data; allows cloning of devices using a PC with RS-232 port
- Mounts in standard 4-gang box
- No external wall transformer or power line interface required
- Creates up to 64 lighting scenes to create lighting moods
- Accesses any of the 64 scenes from the Toscana front panel (eight at any single time)
- Accesses any of the scenes remotely with the HXC7S-1TW scene keypads
- Accesses any of the scenes using ten learned infrared codes
- Learned infrared codes can be taught using any standard IR remote

Wall Switch Controllers

- Fits in standard wallboxes and replaces regular switches to provide DHC control capability as indicated in “Description”
- Power line based 2-way communication allows status of receivers changed manually to be reflected in the controller
- Leviton's patented Intellisense technology virtually eliminates signal problems due to line noise
- Uses existing 120VAC 60Hz wiring to send command signals
- Compatible with Decora *PLUS*™ screwless wallplates and Decora wallplates
- Green LED illuminates to confirm ON command sent or STATUS ON report received
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Limited Two-Year Warranty

RF Components

- Ultra-compact key chain remote adds to home security by allowing users to turn lighting ON as they approach entranceway, garage or driveway
- Plug-in transceiver features Intellisense technology for optimum reliability, power line based 2-way signaling capability and easy one button programming. Must be used with universal remote and key chain remote
- Limited Two-Year Warranty

Toscana™ is a trademark of Leviton Manufacturing Co., Inc.

Residential Grade



HCCPG-1TW

Toscana™ Deluxe Programmer

Toscana is a simple central access station that expands DHC control capability with easy one touch access for up to 64 lighting scenes along with direct remote control of up to 256 devices. Scenes can be accessed by an IR remote or from remote scene lighting control keypads. Toscana provides complex date/time and macro automated programming of lights and appliances. Timed events (up to eight groups) can be selected and run on a recurring basis using a highly accurate internal astronomical clock. Toscana registers status changes when DHC receivers with 2-way communication are manually changed.

TOSCANA™ DELUXE PROGRAMMER

Description	Rating	Cat. No.
Toscana Deluxe Programmer - white frame and white cover; neutral required	No Load Rating 120VAC 60Hz	HCCPG-1TW

COLOR CHANGE KITS

Description	Cat. No.
Smoke Cover/White Frame	DCKPG-0SW

TESTING AND CODE COMPLIANCE

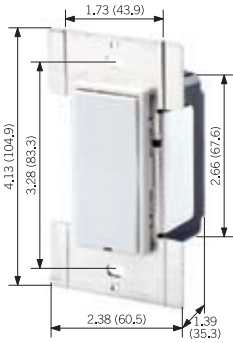
- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

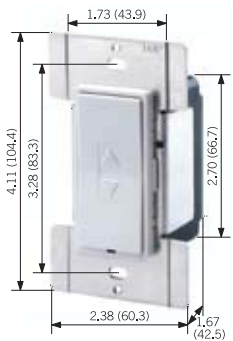
Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

COLOR

Shipped with white frame and white cover
See chart for color change kits



HXC10-1TW



HXC1D-1TW



HXC2D-1TW

WALL SWITCH CONTROLLERS WITH 2-WAY COMMUNICATION

Description	Cat. No.
1-Address ON/OFF Controller - One ON/OFF rocker transmits ON/OFF commands to one address	HXC10-1TW
ALL LIGHTS ON/ALL OFF Controller - One ALL LIGHTS ON/ALL OFF rocker transmits commands to all receivers set to the same letter code as this controller. Provides "Panic Button" lighting control for safety and security. NOTE: Receptacle receivers and 6337 Universal Low Voltage Module do not respond to ALL ON command.	HXC1A-1TW
1-Address Dimming Controller - One ON/OFF rocker transmits ON/OFF commands to one address in the same letter code as this controller. Built-in arrow-shaped rocker transmits DIM/BRIGHT commands to that same address.	HXC1D-1TW
2-Address Dimming Controller - Two sets of ON/OFF buttons transmit ON/OFF commands to two sequential addresses in the same letter code as this controller. One set of DIM/BRIGHT buttons transmits DIM/BRIGHT commands to the most recently selected address.	HXC2D-1TW
3-Address Dimming Controller - Three sets of ON/OFF buttons transmit ON/OFF commands to three sequential addresses in the same letter code group established on this controller. One set of DIM/BRIGHT buttons transmits DIM/BRIGHT commands to the most recently selected address.	HXC3D-1TW

Description

Cat. No.

4-Address Dimming Controller - Four sets of ON/OFF buttons transmit ON/OFF commands to four sequential addresses in the same letter code group as this controller. One set of DIM/BRIGHT buttons transmits DIM/BRIGHT commands to the most recently selected address.

HXC4D-1TW

3-Address Dimming, ALL LIGHTS ON/ALL OFF Controller - Three sets of ON/OFF buttons transmit ON/OFF commands to three sequential addresses in the same letter code group as this controller. One set of DIM/BRIGHT buttons transmits DIM/BRIGHT commands to the most recently selected address. One set of ALL LIGHTS ON/ALL OFF buttons transmits commands to all receivers set to the same letter code as this transmitter.

HXC4A-1TW

NOTE: Receptacle receivers and 6337 Universal Low Voltage Module will not respond to ALL ON command.

7-Scene Dimming Controller - Each of 7 SCENE buttons transmits ON commands at preset levels to 12 sequential addresses in the same letter code as this controller.

HXC7S-1TW

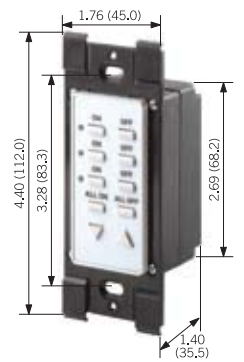
NOTE: 12-address sequence continues at address 1 if address 16 is reached before all sequential addresses are completed. May be used with all Leviton scene capable receivers. One set of SCENE BRIGHT/SCENE DIM buttons transmits SCENE DIM/BRIGHT commands to most recently selected scene. One OFF button transmits OFF command to most recently selected scene. Green LEDs illuminate to indicate ON command sent or SCENE ON command detected. Green LED illuminates to indicate OFF command sent.

NOTE: The HXC7S-1TW utilizes extended code format. This command structure is compatible with HCA02-10E DHC System Amplifier/Coupler/Repeater but is not compatible with the older version of the System Amplifier (6201).

No more than four controllers should be installed on a single branch circuit.



HXC3D-1TW



HXC4A-1TW



HXC7S-1TW

COLOR CHANGE KITS  

Controller	White	Ivory	Almond	Gray	Black
HXC10-1TW, HXC1A-1TW	DRK0S-0LW	DRK0S-0LI	DRK0S-0LA	DRK0S-0LG	DRK0S-0LE
HXC1D-1TW	DRK1D-00W	DRK1D-00I	DRK1D-00A	—	—
HXC2D-1TW	DCK2D-0CW*	DCK2D-00I*	—	—	—
HXC3D-1TW	—	DCK3D-00I	DCK3D-00A	—	—
HXC4A-1TW	DCK4A-00W DCK4A-0CW*	DCK4A-00I DCK4A-0CI*	DCK4A-00A	—	—
HXC4D-1TW	DCK4D-00W DCK4D-0CW*	DCK4D-00I DCK4D-0CI*	DCK4D-00A DCK4D-0CA*	—	—
HXC7S-1TW	DCKS7-00W DCKS7-0CW*	DCKS7-00I DCKS7-0CI*	DCKS7-00A DCKS7-0CA*	DCKS7-00G DCKS7-0CG*	DCKS7-00E DCKS7-0CE*

*With printable labels.

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

COLOR

All devices are shipped in white only.
See chart for compatible color change kits

Residential Grade

RF COMPONENTS



HCPRF-1TW



HCCKR-E

Description	Cat. No.
HCCKR Plug-In Transceiver – Accepts RF (radio frequency) DHC commands from the ON/OFF commands. Plugs into any standard receptacle and provides a built-in outlet for ON/OFF switching of incandescent lamps rated 300W max. @ 120VAC. Two-way communication permits local status of attached lamp to show on all 2-way capable DHC controllers. Unit will re-transmit commands for up to 256 DHC addresses. Color: White	HCPRF-1TW
Key Chain Remote Controller – Designed to fit on a key chain and send RF (radio frequency) command signals to HCPRF DHC Plug-In Transceiver. With an operating range of up to 50 ft. through walls and ceilings, it sends ON/OFF commands for any two sequential DHC addresses (addresses are user programmable). Ideal for control of home lighting from a vehicle when entering garage or driveway. Uses long-life 3V CR2032 lithium battery (included). Must be used with HCPRF Transceiver. Color: Black	HCCKR-E

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
 - CSA Certified (File #LR-69519)
 - NOM Certified (#057)
 - Complies with FCC Part 15, Class B
- Note: HCCUR is CSA Certified only.
HCPRF - 1TW is UL Listed, CSA Certified and

NOM Certified. UL and CSA not required for 1HCCKR-E

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

DHC Controllers — Red Line

Specifications and Features

- Programmer adds user devised scheduling to DHC automated control of lights and appliances for greater convenience, energy savings and security
- Programmer and controllers send DHC switching commands over existing 60Hz 120VAC house wiring
- Limited Two-Year Warranty

PROGRAMMER/CONTROLLER PRODUCTS



6320

Description	Cat. No.
Table Top Controller** – Provides manual remote control for all 256 DHC addresses. Command functions include ON/OFF, ALL LIGHTS ON/ALL OFF and DIM/BRIGHT. The 6320 plugs into any 120VAC receptacle to transmit command signals over existing AC wiring.	6320

POWER TO CONTROL SIDE: 125V 60HZ AC ONLY

LV Lead Color	Transmits To
Brown	A4*
Blue	A1*
Orange	A2*
Yellow	A3*

*Of any four sequential address codes within the same letter code group as the transmitter. CSA Certified except where indicated by **. No more than four controllers should be installed on a single branch circuit.
NOTE: An HCA02-10E System Amplifier must be installed in all panels in every DHC installation to ensure adequate signal strength.

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

DHC Receivers — Green Line

Scene Capable Wall Dimmers and Switches

Dimming wall switch receivers provide manual and remote ON/OFF switching and full range dimming for incandescent and magnetic low voltage loads. All feature Leviton's exclusive Intellisense technology to ensure top performance and reliability, even when noise is present on the AC power line. The preset feature turns lights ON at the last selected brightness level. And the soft ON/fade OFF feature provides an eye-pleasing effect and extended bulb life. Receivers are scene capable when used with HCCPG-1TW Toscana Programmer and HXC7S 7-Scene Controller and will respond to ON, OFF, DIM, BRIGHT, ALL LIGHTS ON/ALL OFF and SCENE commands.

Scene Capable Wall Dimmers (with LED Locator)

These scene capable receivers also provide 1-button programming for scene and address capturing and feature an LED brightness level display. Double Tap feature immediately adjusts light to full brightness without affecting the last selected brightness level. The HXS08-1TW Electronic Switch Receiver (2-way non-dimming) provides manual and remote ON/OFF switching for incandescent, magnetic low voltage, fluorescent and compact fluorescent lighting. Plus all 2-way receivers allow power line based 2-way status tracking with the DHC Toscana Deluxe Programmer and new 2-way capable controllers when receivers are changed locally.

Specifications and Features

Wall Dimmers and Switches

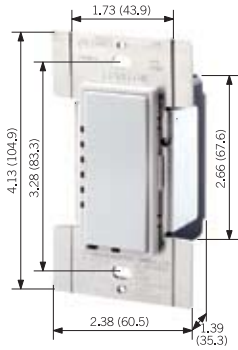
- 1-button programming
- Provides scene control capability when used with HXC7S-1TW DHC Scene Controller and HCCPG-1TW Toscana Programmer. Also backward compatible with 16400/16450-S and 16400/16450-SD Scene Controllers
- Soft ON/fade OFF brightness levels extend bulb life
- LED locator and brightness display alongside rocker (LED models only)
- Fits in standard wall boxes
- Leviton's patented Intellisense technology virtually eliminates signal problems due to line noise
- Protected memory during minor power fluctuations
- Packed with ivory and white snap-on rocker/frame kit; optional snap-on rocker/frame color change kits sold separately. See color change kit chart
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Limited Two-Year Warranty

Modules

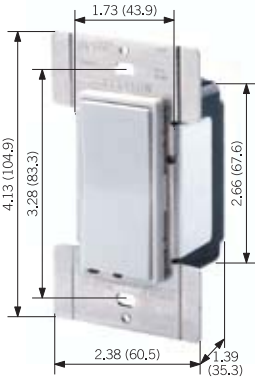
- Plug-in design requires no wiring
- HXP15-1TW provides manual and remote ON/OFF switching of plug-in lamps and appliances
- HCP03-10W provides manual and remote ON/OFF switching and full-range dimming for plug-in incandescent lamps
- 1-button programming through address capturing
- Scene capable when used with HXC7S-1TW 7-Scene Controller and HCCPG-1TW Toscana Deluxe Programmer
- Protected memory maintains status of plug-in loads and address programming during minor power fluctuations
- HXP15-1TW provides status tracking to notify power line based 2-way capable controllers of manual status changes
- Leviton's patented Intellisense technology virtually eliminates signal problems due to line noise
- Limited Two-Year Warranty

Residential Grade

SCENE CAPABLE WALL DIMMERS AND SWITCHES



HCM06-1D



HCM06-1S

Description	Rating	Cat. No.	Color
Dimming Wall Switch Receiver with 1-button programming, LED locator and LED brightness display; 3-way capable when used with MS00R-10 Remote	Incandescent: 600W Magnetic Low Voltage: 600VA (450W) 120VAC 60Hz	HCM06-1D	W
Dimming Wall Switch Receiver with 1-button programming, LED locator and LED brightness display; 3-way capable when used with MS00R-10 Remote	Incandescent: 1000W Magnetic Low Voltage: 1000VA (750W) 120VAC 60Hz	HCM10-1D	W
10 Amp Switch (non-dimming) with LED locator - Single pole and 3-way (multi-location) when used with MS00R-10 Remote; neutral required; requires 6287 when used with electronic loads such as compact fluorescent lamps	Incandescent: 1200W Fluorescent and Magnetic Low Voltage: 1200VA 10A-120VAC 60Hz	HCS10-1S	W
8 Amp Electronic Switch Receiver (non-dimming) with LED locator, 1-button programming and 2-way communication; neutral required	8A Incandescent: 1000W Fluorescent and Magnetic Low Voltage: 1000VA (750W)	HXS08-1T	W
Dimming Switch - Single pole and 3-way (multi-location) when used with MS00R-10 Remote, no LEDs; no neutral required for incandescent loads	Incandescent: 600W Magnetic Low Voltage: 600VA (450W) 120VAC 60Hz	HCM06-1S	W
Dimming Switch - Single pole and 3-way (multi-location) when used with MS00R-10 Remote, no LEDs; no neutral required for incandescent loads	Incandescent: 1000W Magnetic Low Voltage: 1000VA (750W) 120VAC 60Hz	HCM10-1S	W



Related Products

Use Leviton Power Extenders to extend the load capacity of DHC dimming wall switch receivers. [See page 227 for more information.](#)

COLOR CHANGE KITS FOR WALL DIMMERS AND SWITCHES  

Rocker and Frame

Receiver	White	Ivory	Almond	Gray	Black
HCM06/10-1D	DRKDD-1LW	DRKDD-1LI	DRKDD-1LA	DRKDD-1LG	DRKDD-1LE
HXM06/10-1T	DRKDD-1LW	DRKDD-1LI	DRKDD-1LA	DRKDD-1LG	DRKDD-1LE
HXS08-1T	—	DRKOD-1LI	DRKOD-1LA	DRKOD-1LG	DRKOD-1LE
HCS10-1S	DRKOS-OLW	DRKOS-OLI	DRKOS-OLA	DRKOS-OLG	DRKOS-OLE
HCM06/10-1S	—	DRKOD-1LI	DRKOD-1LA	DRKOD-1LG	DRKOD-1LE

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)
- UL 1472 Listed

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

COLOR

Colors available as listed. See chart for rocker and frame kits (available separately). Ivory kit included

SCENE CAPABLE PLUG-IN RECEIVER MODULES  

Description	Rating	Cat. No.
Plug-In Appliance Module with 1-Button Programming and 2-Way Communication - It responds to ON, OFF, ALL LIGHTS ON/ALL OFF and SCENE COMMANDS, and its push button allows manual ON/OFF control. A status tracking feature notifies 2-way capable controllers of manual status changes, and Intellisense technology delivers the utmost in reliability, even with constant noise on the AC power line. With LED locator light.	120VAC 60Hz	HXP15-1TW
Plug-In Lamp Module with 1-Button Programming - HCP03 is also backward compatible with 16400/16450-S and 16400/16450-SD DHC Scene Controllers. The HCP03 responds to ON, OFF, DIM, BRIGHT, ALL LIGHTS ON/ALL OFF and SCENE LIGHTING commands, and it features "load sensing", which allows a lamp to be turned ON manually using the lamp's own switch or the ON/OFF button on the module.	120VAC 60Hz	HCP03-10W



HXP15-1TW

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C



HCP03-10W

Residential Grade

DHC Receivers — Red Line

Specifications and Features

Wall Switch Receivers

- Fits in standard wall boxes and replaces regular switches to provide manual and remote ON/OFF switching of lighting and appliances. 6381-WI dimming switch rated for incandescent lighting only
- Leviton's patented Intellisense technology virtually eliminates signal problems due to line noise
- Uses existing 60Hz 120VAC house wiring to add multi-location switching without resorting to complicated and costly conventional wiring means
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Limited Two-Year Warranty

Wall Switch Remotes and Receivers

- Remote units provide multi-location capability to dimmer and switch receivers
- Fits in standard wall boxes to replace regular switches
- Leviton's patented Intellisense technology virtually eliminates signal problems due to line noise
- 6371 heavy duty appliance switch available for automated control of heavy duty loads such as air conditioning and pool pumps
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Limited Two-Year Warranty

Receptacle Receivers

- Available in commonly used NEMA configurations
- Fits in standard wall boxes to replace regular receptacles
- Leviton's patented Intellisense technology virtually eliminates signal problems due to line noise
- Streamlined, popular Decora styling complements interiors and is compatible with other Decora devices
- Limited Two-Year Warranty

Receiver Modules

- Universal low voltage module can automate devices operated at low voltages such as sprinklers, skylights and heating/AC systems
- Fixture modules provide direct control for fixtures where only remote control is necessary
- Limited Two-Year Warranty

WALL SWITCH RECEIVERS

Description	Rating	Cat. No.
Single Pole Switch provides manual and remote ON/OFF control. Neutral connection required. The pilot light is ON when switch is ON. Packed with ivory and white rocker and frame. Kits for other colors must be purchased separately (see chart). Requires 6287 when used with electronic loads such as compact fluorescent lamps.	15A-120 60 Hz Incandescent, Inductive or Resistive	6291-WI
3-Way (Multi-Location) Switch provides manual and remote ON/OFF control in multi-station switching circuits when used in conjunction with one or more Remote Switches. Neutral connection required. The pilot light is ON when switch is ON. Packed with ivory and white rocker and frame. Kits for other colors must be purchased separately.	15A-120VAC 60Hz Incandescent, Inductive or Resistive	6293-WI

COLOR CHANGE KITS FOR WALL SWITCH RECEIVERS  

Rocker and Frame

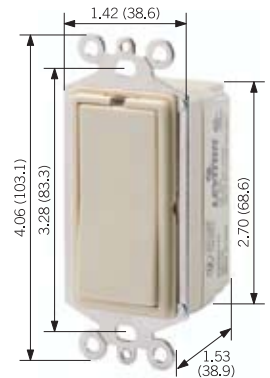
White	Ivory	Almond	Gray	Black
DRKOR-00W	DRKOR-00I	DRKOR-00A	DRKOR-00G	DRKOR-00E

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C



6293-WI

WALL SWITCH REMOTES AND RECEIVERS  

Description	Rating	Cat. No.	Color
3-Way and 4-Way (Multi-Location) Remote Switch — For use with 6293 DHC Multi-Location Switch as a remote switch. The 6294 provides 3-way, 4-way and higher-level control in conjunction with these units. It cannot be used for any other purpose in the DHC network. For use with 6293 unit only.	No Load Rating – 120VAC	6294	W, I, A
Double Pole Wall Switch – provides local and remote ON/OFF control. Intended for control of pool pumps, air conditioning units, spa heaters and pumps and other large residential loads.	20A 2HP 250VAC 60Hz	6371	I

COLOR CHANGE KITS FOR WALL SWITCH RECEIVERS  

Rocker and Frame

Ivory	White	Almond	Gray	Black
DRKOR-00I	DRKOR-00W	DRKOR-00A	DRKOR-00G	DRKOR-00E

TESTING AND CODE COMPLIANCE

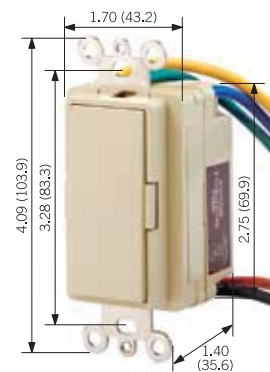
- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

COLOR

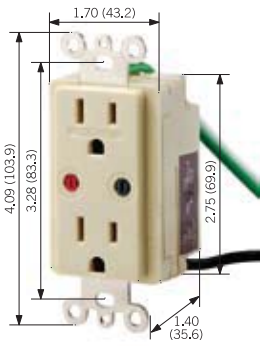
To order specific colors, add suffix to Cat. No. as follows: White (-W), Ivory, (-I), Almond (-A)



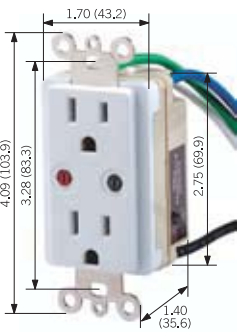
6371-1

Residential Grade

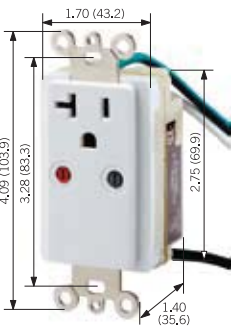
RECEPTACLE RECEIVERS



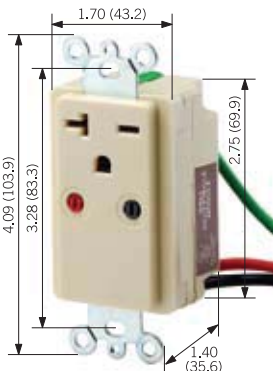
6227






6280



6296



6298

Description	Rating	Cat. No.	Color
Split Duplex Wall Receptacle - Its top outlet provides remote ON/OFF load control in response to controller command signals, and its bottom outlet is continuously live. The 6227 will not respond to ALL LIGHTS ON command.	15A-120VAC 60Hz AC only; NEMA 5-15R 	6227	W, I, A
Duplex Wall Receptacle - Same as 6227, but with both top and bottom outlets providing ON/OFF control in response to controller command signals. Feed-through load lead allows control of receptacles downstream. No local control available.	15A-120VAC 60Hz AC only; NEMA 5-15R 	6280	W
Single Wall Receptacle** - provides ON/OFF control, and no local control is available. ALL LIGHTS ON command.	15A-120VAC 60Hz AC only; NEMA 5-20R 	6296	W, I
Single Wall Receptacle** - Equipped with Intellisense (gated automatic gain control). The 6298 provides ON/OFF control, and no local control is available. It wires easily into any standard wall box using supplied 6-inch leads. It will not respond to ALL LIGHTS ON command.	20A-250VAC 60Hz AC only; NEMA 6-20R	6298	W

CSA Certified except where indicated by **.

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

COLOR

To order specific colors, add suffix to Cat. No. as follows: White (-W), Ivory, (-I), Almond (-A)

RECEIVER MODULES

Description	Rating	Cat. No.
<p>Universal Low Voltage Module – This receiver interfaces between the low voltage device and the 120VAC wiring network. It can operate sprinkler systems, designated lighting, skylight closures, heating systems, garage door openers and other lighting and motor loads. The 6337 can be set to operate the relay only, the alarm only, or both the relay and the alarm. Can also be set for momentary operation so that the relay and/or the alarm will be turned on for approximately 2 seconds in response to any ON command. Does not respond to ALL LIGHTS ON or DIM/BRIGHT commands. Contacts: 5A 12V DC, 100VA 30V DC Inductive</p>	<p>No Load Rating 120VAC 60Hz AC only</p>	6337
<p>Fixture Relay Module – Can be mounted at either an incandescent or fluorescent fixture by means of adhesive strips. Responds to ON/OFF commands from controllers. Equipped with leads for easy installation.</p>	<p>15A-120VAC 60Hz AC only, Incandescent, Inductive or Resistive</p>	6375
<p>Dimming Fixture Module – Can be mounted at an incandescent fixture by means of adhesive strips. Responds to ON/OFF, DIM/BRIGHTEN and ALL LIGHTS ON/ALL OFF commands from controllers. Equipped with leads for easy installation.</p>	<p>300W Incandescent 120VAC 60Hz AC only</p>	6376



6337



6375

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C



Related Products

Use Leviton Power Extenders to extend the load capacity of DHC dimming wall switch receivers. [See page 227 for more information.](#)

DHC RF Products, Amplifiers and Noise Filters

Specifications and Features

Surge Protective Devices

- Real time diagnostic visual indicator shows power and suppression status for each protected phase
- 51110-PTC Multi-Media Panel protects AC, phone/fax/modem and CATV/satellite lines from transient voltage surges
- 52120-M2H features user-replaceable surge modules
- Limited Ten-Year Warranty

Couplers and Attenuator

- HCA02-10E System Amplifier/Coupler/Repeater must be installed in all DHC installations to ensure adequate signal strength
- 6284 and 6285 are used to stop extraneous noise and signals from degrading DHC network operation.
- Limited Two-Year Warranty

Wall Switch Receiver

- These devices are designed to eliminate interference from appliances, electronic ballasts and home electronics in order to ensure top performance from DHC systems
- Limited Two-Year Warranty

Residential Grade

Network Integrity Products

Panel-Mounted Surge Protective Devices (SPD) – Provides homes with protection from high-energy transient voltage surges that can damage sensitive electronic circuits in computers, audio and video components and electronic appliances. DHC components incorporate micro-circuitry and Leviton highly recommends protecting the DHC network from power line surges. Leviton panel-mounted surge protective devices feature unique hybrid suppression circuitry for outstanding surge protection. The following devices are compatible with all DHC components.



51120-1



51110-PTC

NETWORK INTEGRITY PRODUCTS

Description	Max. Surge Current (8 X 20µs wave) L-N	UL1449 Rating L-N	Rating	Cat. No.
Single Phase – Standard J-box metal enclosure with pre-punched standard knockouts	50kA	500V	120/240VAC	51120-1
3 Phase WYE – Standard J-box metal enclosure with pre-punched standard knockouts	50kA	500V	120/208VAC	51120-3
Single Phase – NEMA 3R enclosure suitable for outdoor use	50kA	800V	120/240VAC	51120-3R
Single Phase – Features sine wave tracking, redundant protection and replaceable/surge modules; NEMA 12 enclosure with hinged cover	100kA	400V	120/240VAC	51120-M2H
Single Phase Multi-Media Panel – Provides surge protection for AC power line, 2 pairs of phone/fax/modem connections and dual CATV/satellite feeds using F connectors; painted steel NEMA 1 enclosure with 4 perforated 7/8" knockouts	AC: 48kA Tel: 1.9kA @ 3.8kV CATV: 2kA	AC: 400V Tel: 220V CATV: 25V	120/240VAC	51110-PTC

Note: A panel-mounted surge protective device should be installed at the service panel in every DHC installation.

TESTING AND CODE COMPLIANCE

- Listed to UL 1449 (2nd Edition) Standards
- UL Listed (File #E-146315)
- CSA Certified (File #LR-94773)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

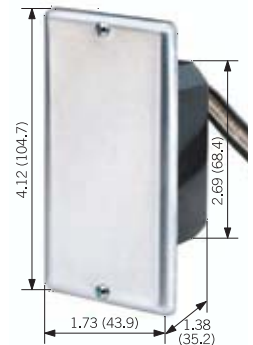
Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

NETWORK INTEGRITY PRODUCTS

Description	Rating	Cat. No.
System Amplifier/Coupler/Repeater with Built-In Test Signal Generator - Performs a variety of functions to ensure outstanding DHC system performance and reliability. Couples transmitter (programmer and controller) signals generated on the 120V leg where the transmitter draws power onto the other leg in a 120/240V single phase 3-wire residential wiring system. The HCA02-10E also amplifies and repeats command signals to maintain proper signal strength through the DHC system. Green pilot light indicates unit has power. Lamp will indicate when signal is being transmitted. A red error LED indicates the Intellisense feature is activated. The unit provides convenient test signal transmission for easy signal strength verification at individual DHC module locations using the 6386 Signal Strength Indicator. The HCA02-10E should be installed at the main panel on its own dedicated 15A breaker in accordance with NEC requirements. The HCA02-10E cannot be used in a 3-phase system.	—	HCA02-10E
Signal Bridge/Passive System Coupler - Couples the DHC command signal onto the 120V legs of the power system to ensure sufficient command signal strength throughout the DHC network. (NOTE: 6299 should NOT be installed in the same panel as HCA02-10E).	120/240V 60Hz AC only	6299
Signal Attenuator, 2-Phase - Attenuates ("knocks down") external noise and signal levels entering the DHC network. The 6285 can be used to block interference from appliances, electronic ballasts and home electronics to ensure top performance from the DHC network. Also used to block signal leakage (attenuation) caused by capacitive filters and electronic power supplies.	2-Phase 120/240V and 120/208V 60Hz AC only	6285
Multi-Phase Blocking Coupler - The 6284 is installed between the incoming electrical service and the service panel in apartment buildings, condominiums, attached-unit dwellings and homes sharing the same side of the electrical transformer. Keeps extraneous electronic noise and signals from entering or leaving the DHC network.	120V, 120/240V and 120/208V 60Hz AC - Max. 200 Amp panel	6284



HCA02-10E



6299

Note: An HCA02-10E System Amplifier must be installed in all panels in every DHC installation to ensure adequate signal strength.

TESTING AND CODE COMPLIANCE

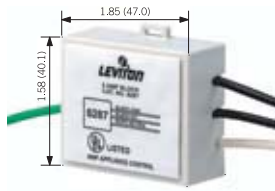
- UL Listed (File #E-66800)
- CSA Certified (File #LR-3413)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C

Residential Grade

NETWORK INTEGRITY PRODUCTS



6287

Description

Noise Block- The 6287 is designed for use with DHC switch modules that include a means for connection to neutral. This device may be wired on the LOAD side of a DHC switch module (except 6383), or on the LINE side of any fixture using an electronic ballast, a low voltage ballast or any noise generating source that does not require more than 5A 120VAC. The 6287 prevents interference generated by fixture components from interfering with DHC signals.

Rating

5A-120V 60Hz AC only

Cat. No.

6287



6288

Plug-In Noise Filter - Electrical appliances may generate “noise” that could interfere with proper signal transmission. When the offending appliance is isolated and plugged into the 6288 Noise Filter, which is in turn plugged into a receptacle, stray noise is filtered out, ensuring a clear signal. Color: Brown

5A-120V 60Hz AC only

6288

In-Line Noise Reducer - The 6289 Noise Reducer filters electrical “noise” and signals with frequencies above and below the 121 kHz signal. The 6289 may be installed at the “noise” or signal source or at the module affected by the interference. Depending on the source of the interference, the 6289 may be wired phase to neutral or phase to phase.

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6289



6289

DHC Power Line Carrier Test Equipment Signal Strength Indicator - Measures command signal strength at individual module locations. Minimum signal strength required for proper DHC Power Line Carrier component operation is 100mV.

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6386

TESTING AND CODE COMPLIANCE

- UL Listed (File #E-66800)
- NOM Certified (#057)

MATERIAL CHARACTERISTICS

Engineering Thermoplastic UL-94, V2 Rating
Operating Temperature: 0°C to 55°C



6386