Home Automation Products — Decora Home Controls (DHC)

Leviton's Decora Home Controls (DHC) Residential Powerline Carrier components provide homeowners with everything needed for programmed and manual control of lighting and appliances using their home's existing AC wiring. The following pages highlight key automation applications for a variety of Leviton DHC components. Comprehensive product listings are also provided, including specifications, features, benefits, available colors, photos and line drawings, to assist in the selection of appropriate DHC components for your intended use.

Leviton's current listing of DHC components features new programmers/controllers and receivers with Scene Lighting Control capability for coordinated, multi-location lighting schemes. Many new DHC components also feature Intellisense™ (gated automatic gain control), a Leviton exclusive. Intellisense reduces noise sensitivity without reducing command signal sensitivity, resulting in the most reliable performance of any powerline carrier home automation system available today.
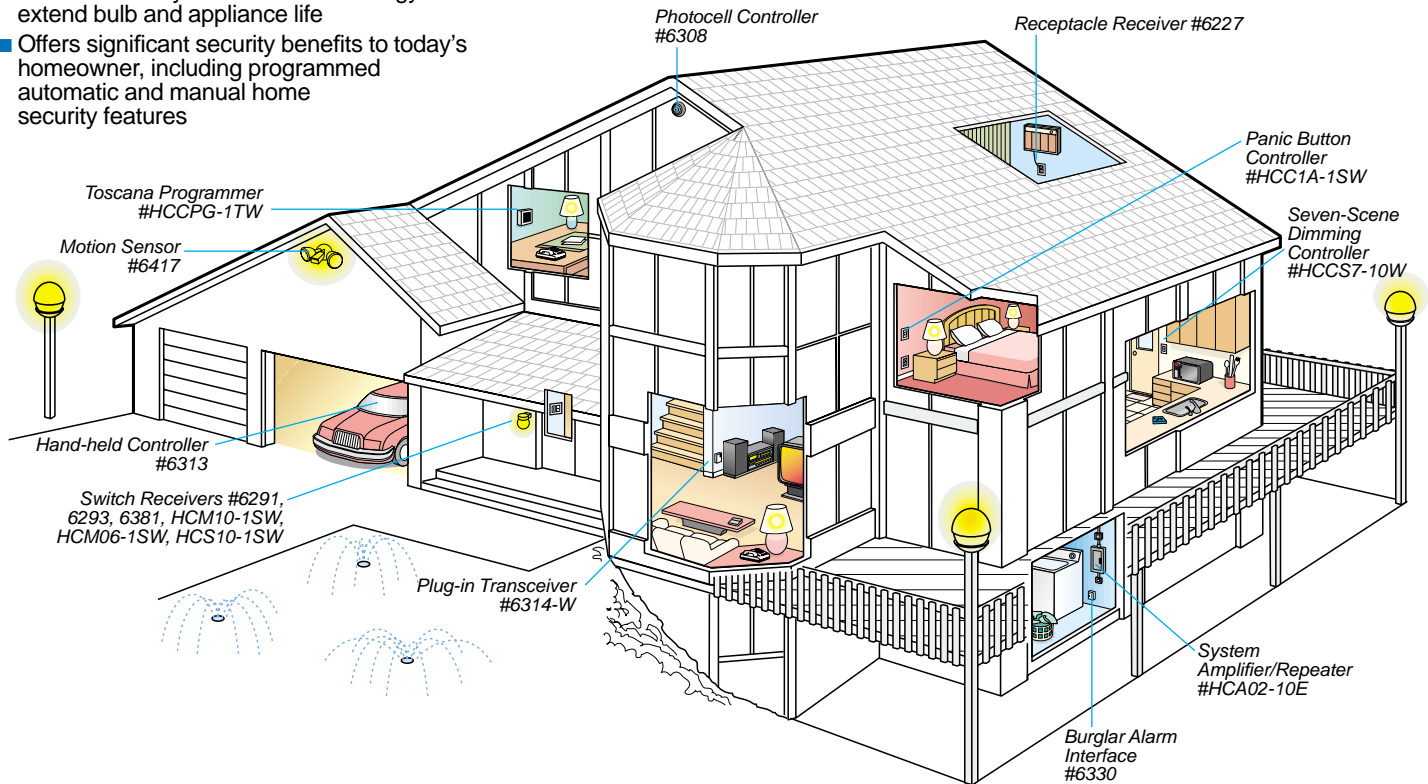
DECORA HOME CONTROLS™

Features and Benefits

- A network of controllers and DHC switch, dimmer, fixture and receptacle receivers that communicate via unique coded switching signals over a home's AC wiring to automate control of lights and appliances
- DHC components replace switches and outlets, which simplifies installation compared with other automation systems that require dedicated proprietary wiring backbones.
- An effective way to contribute to energy conservation and extend bulb and appliance life
- Offers significant security benefits to today's homeowner, including programmed automatic and manual home security features

Photocell Controller #6308

Receptacle Receiver #6227

Panic Button Controller #HCC1A-1SW

Seven-Scene Dimming Controller #HCCS7-10W

Toscana Programmer #HCCPG-1TW

Motion Sensor #6417

Hand-held Controller #6313

Switch Receivers #6291, 6293, 6381, HCM10-1SW, HCM06-1SW, HCS10-1SW

Plug-in Transceiver #6314-W

System Amplifier/Repeater #HCA02-10E

Burglar Alarm Interface #6330

Enjoy Outstanding Home Automation Capabilities with Easy-to-Install, Decora Home Controls

DHC Controllers

DHC Powerline Carrier Controllers are available in a variety of configurations, including wall-mounted programmable, plug-in tabletop, wireless hand-held, wall switch/dimmer and sensor units. Controllers send control signals to specified DHC address throughout the DHC network.

Cat. No. HCCS7-10W

DHC Receivers

DHC Powerline Carrier Receivers can be set to any of 256 DHC address codes for remote/manual control of incandescent, inductive, fluorescent, or low-voltage loads. They are available as receptacle, plug-in, fixture and multi-location wall switches and dimmer switches.

Cat. No. HCM10-1SW

Network Integrity Products

Leviton highly recommends installing these products in every DHC application. The System Coupler/Repeater ensures DHC signal integrity throughout the house. Panel-mount surge devices protect DHC components from transient voltage surges.

Cat. No. 51120-1

B1

To learn more about Leviton's outstanding offering of devices visit our Website at: www.leviton.com ....*Building a Connected World*

DHC Powerline Programmers/Controllers

DESCRIPTION   CAT. NO.

DHC Toscana™ Deluxe Programmer— A new powerful home automation controller that not only provides one-touch access to up to 64 whole-house lighting scenes, but permits direct remote control of up to 256 devices and allows for 2-way communication to confirm locally-initiated status changes on receivers with 2-way communication. Allows up to 64 timed events, turns On/Off lights at dusk and/or down on astronomical clock that is accurate to within +/- 15 seconds per month. Automatically turns appliances On/Off and lights On/Off/Dim/Bright. Permits input to real-named devices; i.e. "wall scone" rather than device code (e.g. B5). Individual timed events or up to 8 groups of timed events can be selected and run on a recurring basis; battery backup protects settings; permanent memory features guaranteed 20 year life; mounts on standard 4-gang box; all PC software and Toscana™ firmware upgrades for life.

Rated: 120V 60Hz AC only.
Power Consumption: 3 Watts
Cat. No. HCA02-10E—System Amplifier should be installed in all panels in every DHC installation to ensure adequate signal strength.

HCCPG-1TW

INTELLISENSE™

Table Top Controller★— Provides manual remote control for all 256 DHC addresses. Command functions include ON/OFF, ALL LIGHTS ON/ALL OFF and DIM/BRIGHTEN. The 6320 plugs into any 120 volt AC receptacle to transmit command signals over existing AC wiring.

Rated: 120V 60Hz AC only.

6320

Basic Wall Mounted Programmer★— A powerful home automation controller that is easy to install and use. Compact, low-profile unit fits in single-gang wallbox. Accepts up to four addresses; maximum two ON and two OFF commands per address. SECURITY mode randomly selects ON and OFF times to make an empty home appear occupied. ALL LIGHTS ON switch acts as a panic-button lighting system, switching on all DHC switch modules with one touch. DIM/BRIGHTEN command can automatically adjust lighting levels of all fixtures controlled by DHC dimming receivers. LED readout shows time and program status; battery back-up protects clock setting and program status for ten hours during power interruption. Available in Ivory, White, and Almond.
Rated: 120V 60Hz AC only   **Power Consumption:** 2.5 watts maximum

6312-I,-W, -A

HCCPG-1TW

6312-I

All devices are UL Listed. Also CSA Certified except where indicated by★
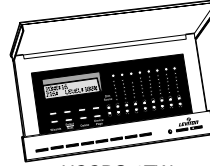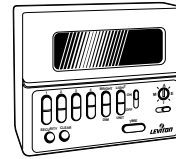
SPECIFICATIONS & FEATURES
• Programmer adds user-devised scheduling to DHC automated control of lights and appliances for greater convenience, energy savings and security
• Programmer and Controllers send DHC switching commands over existing 60Hz 120V AC house wiring.
• Backed by a Limited Two-Year Warranty
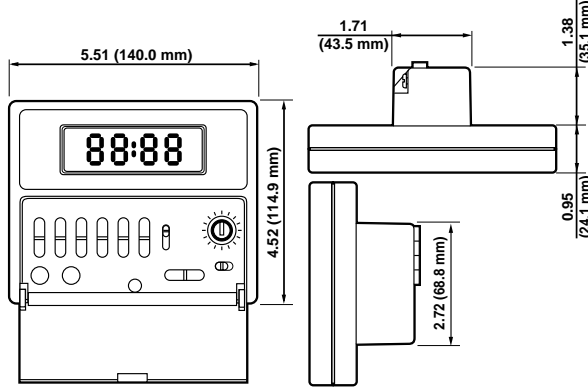
TESTING & CODE COMPLIANCE
• UL Listed (File #E-66800)
• CSA Certified (File #LR-54628)
• NOM Certified (#057)
• UL 224A Tested (and others as appropriate)

COLOR
Colors available as listed: Ivory (-I), White (-W), Almond (-A).

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

5.51 (140.0 mm)
1.71 (43.5 mm)
1.38 (35.1 mm)
4.52 (114.9 mm)
0.95 (24.1 mm)
2.72 (68.8 mm)

BASIC WALL MOUNTED PROGRAMMER
Cat. No. 6312

5.87 (148.1 mm)
4.45 (113.0 mm)
1.64 (41.7 mm)

TABLE TOP CONTROLLER
Cat. No. 6320

4.69 (119.1 mm) with cover closed
8.80 (223.5 mm)

TOSCANA CONTROLLER
Cat. No. HCCPG-1TW

2.41 (61.2 mm)
2.25 (57.2 mm)
2.69 (68.3 mm)
1.95 (49.5 mm)
2.34 (59.4 mm)

LEVITON
Building a Connected World

DHC Powerline Carrier Wall Switch Controllers

DESCRIPTION	CAT. NO.
One-Address ON/OFF Controller — One ON/OFF rocker transmits ON/OFF commands to one address. Illuminated green LED at bottom of face indicates unit is On. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC10-1SW
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 transmitter. Provides "Panic Button" lighting control for safety and security. NOTE: Receptacle Receivers will not respond to ALL ON command. Illuminated green LED at bottom of face indicates unit is On. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC1A-1SW
One-Address Dimming Controller — One ON/OFF rocker transmits ON/OFF commands to one address in the same letter code group as this transmitter switch while the built-in arrow-shaped rocker transmits BRIGHT/DIM commands to that same address. Illuminated green LED at bottom of face indicates unit is On. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC1D-1LW
Two-Address Dimming Controller — Two sets of ON/OFF buttons transmit ON/OFF commands to two sequential addresses in the same letter code group as this controller. One set of GROUP BRIGHT/DIM buttons transmits GROUP BRIGHT/DIM commands to the most recently selected address. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC2D-10W

All devices are UL Listed and CSA Certified.

> No more than 4 Controllers should be installed on a single branch circuit.

HCC10-1SW in 80301-W

HCC1D-1LW in 80301-W

SPECIFICATIONS & FEATURES
- Fit in standard wallboxes and replace regular switches to provide DHC control capability as indicated in "Description"
- Exclusive Intellisense™ technology for transmitting clear command signal without noise interference
- Uses existing 120V AC 60Hz wiring to send command signals
- Compatible with Decora screwless and standard Decora wallplates
- Green LED illuminates to confirm ON command is sent
- Decora styling coordinates with Leviton's popular Decora line; complements any interior
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE
- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- UL 224A Tested (and others as appropriate)

COLOR
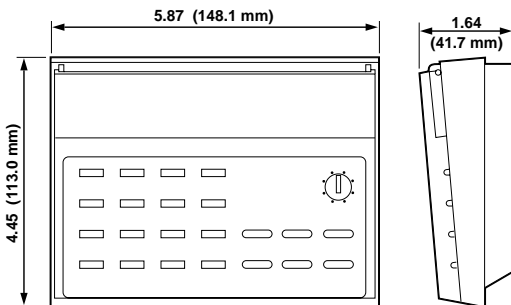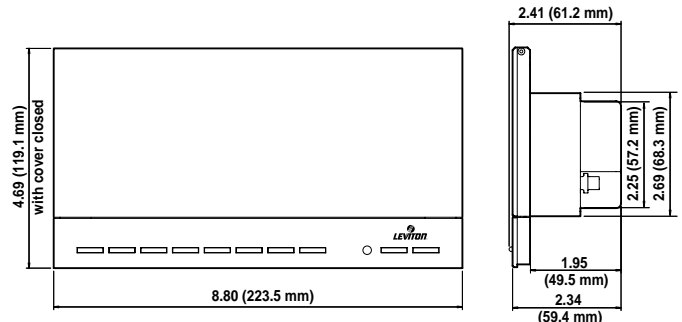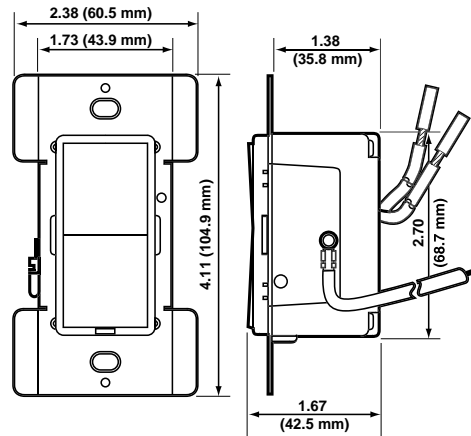All devices are shipped in White only. See page B4 for compatible color change kits.

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

Operating Temperature: -40°C to 120°C

> **Note:** A Cat. No. HCA02-10E System Amplifier should be installed at the main panel in every DHC installation to ensure adequate signal strength.

DHC CONTROLLER
Cat. Nos. HCC10-1SW and HCC1A-1SW

2.38 (60.5 mm)
1.73 (43.9 mm)
1.38 (35.8 mm)
4.11 (104.9 mm)
2.70 (68.7 mm)
1.67 (42.5 mm)

DHC CONTROLLER
Cat. No. HCC1D-1LW

2.38 (60.3 mm)
1.67 (42.5 mm)
4.11 (104.4 mm)
2.62 (166.6 mm)
2.70 (66.7 mm)

DHC Powerline Carrier Wall Switch Controllers

DESCRIPTION	CAT. NO.
Three-Address Dimming 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 GROUP BRIGHT/DIM buttons transmits GROUP BRIGHT/DIM commands to the most recently selected address. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC3D-10W
Four-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 GROUP BRIGHT/DIM buttons transmits GROUP BRIGHT/DIM commands to the most recently selected. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC4D-10W
Three-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 GROUP BRIGHT/DIM buttons transmits GROUP BRIGHT/DIM 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. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCC4A-10W
Seven-Scene Dimming Controller — Each of seven SCENE buttons transmits ON commands to preset levels to 12 sequential addresses in the same letter code group as this controller. (Note: 12-address sequence continues at address 1 if address 16 is reached before all 12 sequential addresses are completed.) Only Cat. Nos. HCM10 (6343), HCM06 (16383) or HCS10 (16293) Scene Capable Switch Receivers can be used with this controller. One set of SCENE BRIGHT/DIM buttons transmits SCENE BRIGHT/DIM commands to the most recently selected scene. One OFF button transmits OFF command to the most recently selected scene. (Note: Shipped in White only. Order color change kit for Ivory and Almond)	HCCS7-10W

The HCCS7-10W utilizes extended code format. This command structure is not compatible with older versions of the DHC System Coupler/Repeater Cat. No. 6201.

All devices are UL Listed and CSA Certified.

No more than 4 Controllers should be installed on a single branch circuit.

DIMENSIONS FOR ALL DHC CONTROLLERS ON THIS PAGE
Cat. No. HCCS7-10W Shown

- 1.40 (35.5 mm)
- 2.69 (68.2 mm)
- 4.40 (112.0 mm)
- 3.28 (83.3 mm)
- 1.76 (45.0 mm)
- 1.60 (40.6 mm)

HCC4A-10W in 80301-W

HCCS7-10W in 80301-W

SPECIFICATIONS & FEATURES
- Fit in standard wallboxes and replace regular switches to provide DHC control capability as indicated in "Description"
- Exclusive Intellisense™ technology for transmitting clear command signal without noise interference
- Uses existing 120V AC 60Hz wiring to send command signals
- Compatible with Decora screwless and standard Decora wallplates
- Green LED illuminates to confirm ON command is sent
- Decora styling coordinates with Leviton's popular Decora line; complements any interior
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE
- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- UL 224A Tested (and others as appropriate)

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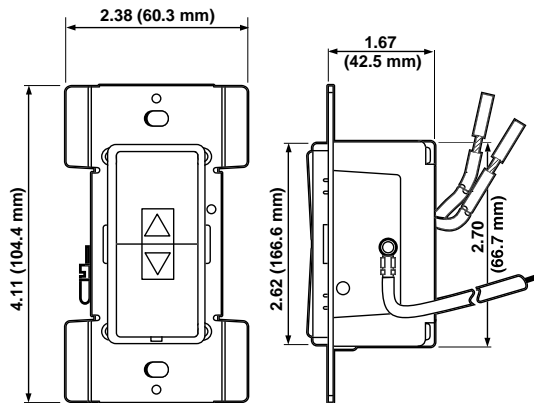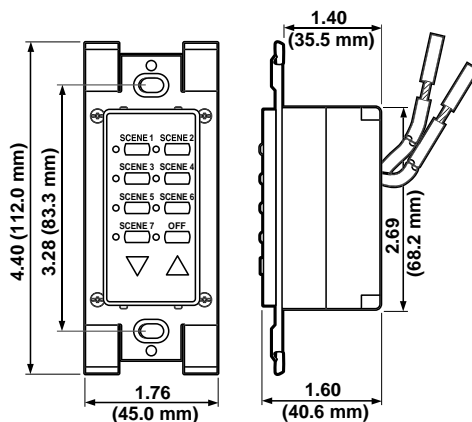All devices are shipped in White only. See chart for compatible color change kits.

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

Note: A Cat. No. HCA02-10E System Amplifier should be installed at the main panel in every DHC installation to ensure adequate signal strength.

COLOR CHANGE KITS

For Controller:	Compatible Color Change Kit		
	Cat. No. White	Cat. No. Ivory	Cat. No. Almond
HCC10-1SW, HCC1A-1SW	DRK0S-0LW	DRK0S-0LI	DRK0S-0LA
HCC1D-1LW	DRK1D-00W	DRK1D-00I	DRK1D-00A
HCC2D-10W	DCK2D-00W	DCK2D-00I	DCK2D-00A
HCC3D-10W	DCK3D-00W	DCK3D-00I	DCK3D-00A
HCC4A-10W	DCK4A-00W	DCK4A-00I	DCK4A-00A
HCC4D-10W	DCK4D-00W	DCK4D-00I	DCK4D-00A

RESi *RESIDENTIAL GRADE*

6314-W & 6313

6332

SPECIFICATIONS & FEATURES
- Leviton's Hand-Held Controller adds the convenience of wireless fingertip control of appliances and lighting to DHC systems
- Ultra-compact Key Chain Transmitter adds wireless ON/OFF control of up to four devices
- Both Hand-Held and Key Chain Controllers operate through the companion Plug-In Transceiver
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE
- UL Listed (File #E-66800)
- CSA Certified (File #LR-69519)
- NOM Certified (#057)
- UL 224A Tested (and others as appropriate)

COLOR
Colors available as listed: White (-W).

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

Operating Temperature: -40°C to 120°C
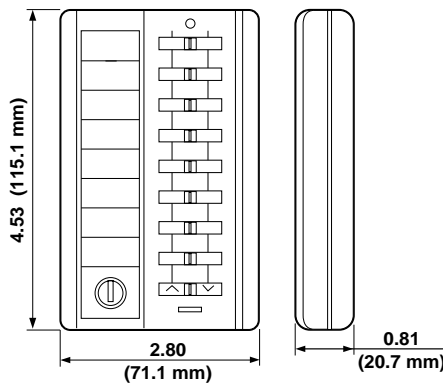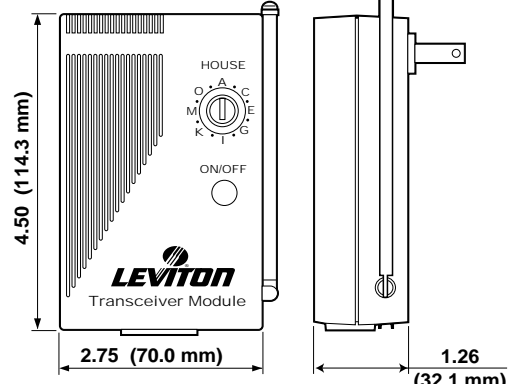
DHC Powerline Carrier Controllers

DESCRIPTION   CAT. NO.

Hand-Held Wireless Controller/Plug-In Transceiver with Built-In Appliance Module — Operate lights and appliances from up to 75 feet away WITHOUT WIRES. The Cat. No. 6313 Hand-Held Wireless Controller sends command signals by means of radio waves through walls and ceilings from inside or outside the home. The Cat. No. 6314-W Plug-in Transceiver picks up the signals and re-transmits them onto the AC wiring network for up to 8 groups of Receivers set to the same Letter Code. The Transceiver also has a built-in appliance module. A lamp or other electrical device will respond to commands sent to A1 or A9 (or any other Letter Code A-P) when plugged into the outlet on the Transceiver.

These units make it possible to switch OFF downstairs lights from upstairs, outdoor lights from the car, or kid's room lights from the master bedroom. Multiple Transceivers can be used in conjunction with a single Hand-Held Controller to expand the range of signal reception by spacing them between 6 and 75 feet apart throughout the residence. These devices will allow complete hand-held control of the home's lighting and appliances. Note that the 6314-W Transceiver will only receive signals from the 6313 Hand-Held Controller and the 6332 Key Chain Remote Controller. Hand-Held Controllers require four AAA batteries (not included). Color: 6313 is Black, 6314-W is White.
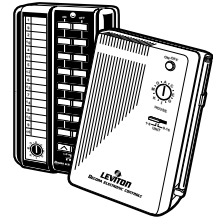
6313,6314-W

Multiple Cat. No. 6314-W Transceiver units should be positioned at least six feet apart to avoid interference.

Wireless Key Chain Remote Controller — Transmits command signals to turn ON any light or appliance that is plugged into the Cat. No. 6314-W (sold separately). Up to four devices can be controlled using the 6332 and 6314-W transceiver module with a transmission range of up to 75 feet. The 6314-W uses the home's existing AC wiring to re-transmit signals it receives from the 6332 so that additional lights and appliances connected to other DHC receivers can also be controlled using the 6332. The 6332 and 6314-W provide a complete, fully expandable system. Lamp modules can be added to control additional lamps; appliance receivers can be added to control outside lights. Color: Black only.

6332

All devices are UL Listed only, not CSA Certified.

4.53 (115.1 mm)
2.80 (71.1 mm)
0.81 (20.7 mm)
HAND-HELD CONTROLLER
Cat. No. 6313

HOUSE
A
O   C
M   E
K   G
I
ON/OFF
LEVITON
Transceiver Module
4.50 (114.3 mm)
2.75 (70.0 mm)
1.26 (32.1 mm)
PLUG-IN TRANSCEIVER
Cat. No. 6314-W

RESi **RESIDENTIAL GRADE**

DHC Powerline Carrier Controllers

DESCRIPTION   **CAT. NO.**

Passive Infrared Controller — A motion-sensing light control ideal for use in outdoor locations, such as backyards, garages and storage buildings. Built-in infrared sensing technology monitors 4,000-sq. ft. field, 110 degrees wide, up to 40 feet in front of unit. When the 6417 senses motion in its field of view, it can respond by sending two types of signals: ON commands to Receivers set to control lights at four sequential system addresses, and MOTION DETECTED signals to other 6417's set to the same address. As long as the source of infrared radiation remains in the 6417 sensor field, it continues to send ON signals every six seconds to these addresses, providing the convenience of continuous illumination along a path from a garage to an entranceway, or around an entire residence, if desired. It can also turn on an inside lighting fixture as well as outdoor fixtures to help deter intruders.

The 6417 is encased in a moisture-resistant housing. The control panel includes sensitivity adjustments to prevent nuisance tripping by small animals and a time delay to set the length of time the lights stay on (6 seconds to 30 minutes). Manual override of the 6417 controller can be achieved with the use of HCCS7-10W or 6312 Controllers.

Passive Infrared Transmitter installs easily into standard round outdoor junction box and comes complete with mounting plate, control unit, par lampholders and complete installation and operating instructions. Color: Brown.
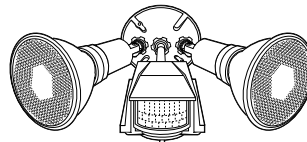
6417

Photocell Controller — Automatically senses approaching darkness and responds by sending ON commands to as many as four groups of DHC Receivers (all receiver modules in each group must be set to the same Letter Code). The Receiver Modules respond by turning lights ON inside or outside the home. The 6308 will also transmit OFF commands in response to a user-selected number of hours that it's been ON, or in response to approaching daylight. The Receivers respond by turning their assigned lighting loads inside or outside the home OFF. The 6308 mounts on a standard round or GEM electrical box. Color: Gray.

6308

All devices are UL Listed only, not CSA Certified.

6417

6308

SPECIFICATIONS & FEATURES
- DHC Passive Infrared Sensor/Transmitters can work alone or in multiple arrays to turn on designated lighting inside and outside the home when motion is detected for improved security and safety
- Up to four transmitters can be wired into a single branch circuit
- Photocell Sensor/Transmitters can add "night watchman" automated switching capability to any DHC network
- Backed by a Limited Two-Year Warranty
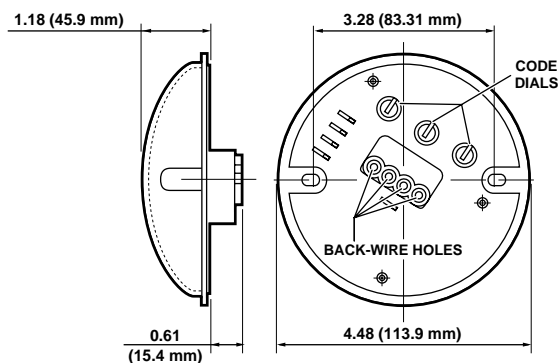
TESTING & CODE COMPLIANCE
- UL Listed (File #E-66800)
- NOM Certified (#057)
- UL 224A Tested (and others as appropriate)

COLOR
Colors available as listed.

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

1.18 (45.9 mm)

3.28 (83.31 mm)

CODE DIALS

BACK-WIRE HOLES

0.61 (15.4 mm)

4.48 (113.9 mm)

PHOTOCELL TRANSMITTER
Cat. No. 6308

DHC Powerline Carrier Controllers

DESCRIPTION   CAT. NO.

Telephone Transponder — Allows user to control all 256 addresses in an entire DHC network from anywhere in the world using a Touch-Tone™ telephone. The DHC Transponder also functions as a DHC isolated contact (class B) module that can be controlled from the phone or any DHC Controller. The 6325 includes a pair of low-voltage wire screw terminals. The Transponder simply plugs into any 120 volt AC receptacle and attaches to a phone jack using the line splitter provided. The Transponder activates upon "hearing" its unique, user-devised access code. Users can order the 6325 to send ON, OFF, ALL LIGHTS ON and ALL OFF commands using the phone keypad. For optimum performance, it is recommended that the 6325 be used on a dedicated phone line. The Transponder confirms all commands with a simulated human voice. The device is equipped with a 6-hour battery back up. Color: Black.
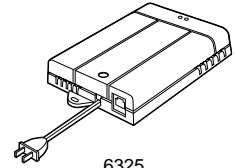
6325

Note: The Telephone Transponder does not work with call waiting.

Burglar Alarm Interface — Simply plugs into a grounding 15 Amp receptacle. Connects to an existing intrusion alarm and turns lights ON whenever the alarm is tripped. Provides choice of 3 modes of light switching when activated. Either a low-voltage input (6-18V AC, DC or audio) or a dry contact closure can trigger the 6330. The unit has a test button that permits activation whether or not the device is connected to an alarm system. The ALL OFF button turns OFF anything that was turned ON by the unit. Available Color: Ivory.
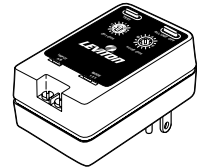
6330

Dry Contact Controllers★— Allow monitoring of up to four dry contact closures. No. 6315 Maintained Contact Transmitter sends ON or OFF command signals in response to contact opening or closure. No. 6316 Momentary Contact Transmitter sends ON or OFF command signals in response to contact closure, and no command signal upon contact openings. These units can be used with photocells, infrared sensors, security system, motion sensors, and any other dry-contact-based sensors. Installs in a single-gang wallbox. Color: Ivory.
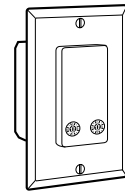
Power to control side: 125V 60Hz AC Only.

6315, 6316

LV LEAD COLOR	TRANSMITS TO
Blue	A1*
Orange	A2*
Yellow	A3*
Brown	A4*

*Or any four sequential address codes within the same Letter Code group as the Transmitter.

*Does not work with proprietary telephone company answering modes or with call waiting. It is advised to put Cat. No. 6325 on a dedicated telephone line.
All devices are UL Listed. Also CSA Certified except where indicated by★
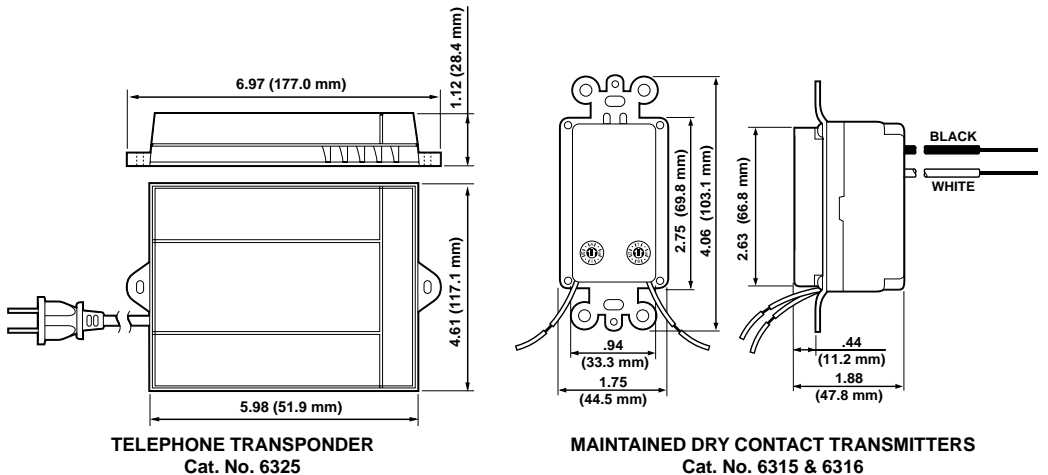
SPECIFICATIONS & FEATURES
• Telephone Transponder allows user to control an entire DHC network from anywhere in the world using a Touch-Tone telephone
• Burglar Alarm Interface connects to existing intrusion alarms, issuing flashing light commands to DHC switching modules when tripped for improved security
• Up to four transmitters can be wired into a single branch circuit
• Dry Contact Transmitters link signaling from photocells, infrared sensors, security systems, motion sensors, and other dry contact transmitters to DHC controlled devices
• Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE
• UL Listed (File #E-66800)
• CSA Certified (File #LR-54628)
• NOM Certified (#057)
• UL 224A Tested (and others as appropriate)

COLOR
Colors available as listed.

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

TELEPHONE TRANSPONDER Cat. No. 6325

MAINTAINED DRY CONTACT TRANSMITTERS Cat. No. 6315 & 6316

DHC Network Integrity Products

DESCRIPTION   CAT. NO.

System Amplifier/Coupler/Repeater with Built-in Test Signal Generator* — 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 assure proper signal strength throughout the DHC network. Green pilot light indicates when DHC signal is transmitting. Features Intellisense™ to ensure top performance even when noise is present on the AC powerline. The HCA02-10E provides convenient built-in ON/OFF test signal transmission for easy signal strength verification at individual module locations using Leviton's Cat. No. 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.

> **Note:** A Cat. No. HCA02-10E System Amplifier should be installed at the main panel in every DHC installation to ensure adequate signal strength.

HCA02-10E

HCA02-10E

Panel Mounted Surge Protective Device (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. Leviton DHC components incorporate microcircuitry into their design, and protection of a DHC network against surges on the powerlines is highly recommended.
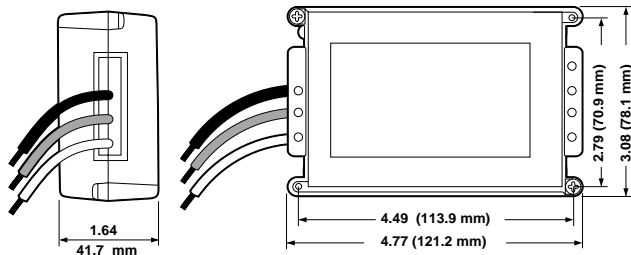
Unique hybrid suppression circuitry in 51120 devices provide outstanding surge protection. The 51120-1,-3 is housed in a standard J-box metal enclosure with pre-punched standard knockouts. The 51120-3R features a NEMA 3R-rated enclosure suitable for outdoor use.

> **Note:** A Cat. No. 51120 Panel Mount Surge Protective Device should be installed at the service panel in every DHC installation
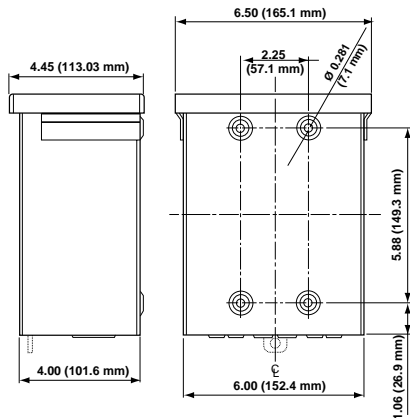
51120-1

51120-1

Rated:

Cat. No. 51120-1	120/240V AC 60 Hz
Cat. No. 51120-3	120/208V AC 3-Phase WYE 60 Hz
Cat. No. 51120-3R	120/240V AC 60 Hz

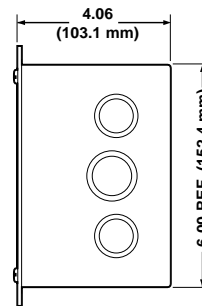*Older versions of this device may not be compatible with Cat. No. HCCS7-10W Scene Lighting Controller.

SPECIFICATIONS & FEATURES
- System Amplifier Coupler/Repeater recommended for all DHC installations to insure adequate signal strength
- Panel-Mounted Surge Protective Device recommended for all DHC installations to protect DHC circuitry from damaging high-energy transient voltage surges
- HCA02-10E Backed by a Limited Two-Year Warranty, 51120 Backed by a Limited 10-Year Warranty

TESTING & CODE COMPLIANCE
- HCA02-10E UL Listed (File #E-66800), 51120 UL Listed to 1449 Standards
- HCA02-10E CSA Certified (File # LR3413), 51120 CSA Certified
- HCA02-10E UL 244A Tested (and others where appropriate)

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V-2 Rating

Operating Temperature: -40°C to 120°C

SYSTEM AMPLIFIER/COUPLER/REPEATER
Cat. No. HCA02-10E

1.64
41.7 mm

2.79 (70.9 mm)
3.08 (78.1 mm)
4.49 (113.9 mm)
4.77 (121.2 mm)

PANEL MOUNTED SURGE PROTECTIVE DEVICE
Cat. No.51120-3R

4.45 (113.03 mm)
4.00 (101.6 mm)
6.50 (165.1 mm)
2.25 (57.1 mm)
Ø 0.281 (7.1 mm)
5.88 (149.3 mm)
1.06 (26.9 mm)
6.00 (152.4 mm)

PANEL MOUNTED SURGE PROTECTIVE DEVICE
Cat. No.51120-1,-3

7.00 (177.8 mm)
6.00 (152.4 mm)
7.00 (177.8 mm)
6.00 (152.4 mm)

4.06 (103.1 mm)
6.00 REF. (152.4 mm)

DHC Powerline Carrier Wall Switches

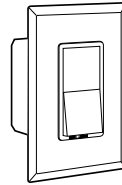### DESCRIPTION   CAT. NO.

Single-Pole (One Location) or 3-Way (Multi-Location) Dimming Switch with Scene Control — Provides manual and remote ON/OFF switching and full range dimming for larger incandescent and magnetic low-voltage lighting loads such as chandeliers and multiple high-hats. Provides scene control capability when used with DHC Scene Controller Cat. No. HCCS7-10W (backward compatible with 16400/16450-S and 16400/16450-SD units). Also provides multi-station manual and remote ON/OFF switching and full range dimming when used with Cat. No. MS00R-1 Multi-Remote Unit. Equipped with Intellisense (gated automatic gain control) for outstanding performance and reliability.

Responds to ON, OFF, DIM, BRIGHT, ALL LIGHTS ON/ALL OFF and SCENE LIGHTING commands. Preset feature turns lights ON at last selected brightness level. Soft ON/Fade OFF feature provides eye-pleasing effect and extended bulb life. Protected memory maintains lighting level during minor power fluctuations. Wires easily into standard wall box. Neutral connection not required for incandescent loads. Packed with Ivory and White Rocker and Frame Kits. Kits for other colors must be purchased separately (See Chart).

Rated: 120V AC 60Hz, 1000W Incandescent,1000VA Magnetic Low-Voltage Lighting

HCM10-1SW
INTELLISENSE™

Single-Pole (One Location) or 3-Way (Multi-Location) Dimming Switch with Scene Control — Provides manual and remote ON/OFF switching and full range dimming for incandescent and magnetic low-voltage lighting loads such as chandeliers and multiple high-hats. Provides scene control capability when used with DHC Scene Controller Cat. No. HCCS7-10W (backward compatible with 16400/16450-S and 16400/16450-SD units). Also provides multi-station manual and remote ON/OFF switching and full range dimming when used with Cat. No. MS00R-1 Multi-Remote Unit. Equipped with Intellisense (gated automatic gain control) for outstanding performance and reliability.

Responds to ON, OFF, DIM, BRIGHT, ALL LIGHTS ON/ALL OFF and SCENE LIGHTING commands. Preset feature turns lights ON at last selected brightness level. Soft ON/Fade OFF feature provides eye-pleasing effect and extended bulb life. Protected memory maintains lighting level during minor power fluctuations. Wires easily into standard wall box. Neutral connection not required for incandescent loads. Packed with Ivory and White Rocker and Frame Kits. Kits for other colors must be purchased separately (See Chart).

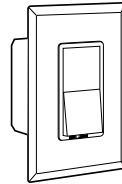**Rated:** 120V AC 60Hz, 600W Incandescent, 600VA Magnetic Low-Voltage Lighting
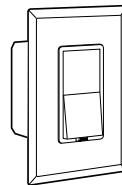
HCM06-1SW
INTELLISENSE™

Single-Pole (One Location) or 3-Way (Multi-Location) Switch with Scene Control — Multi-Location Switch provides manual and remote ON/OFF switching for incandescent, fluorescent and low-voltage lighting with magnetic ballasts such as track lighting, chandeliers and multiple high-hats. Provides scene control capability when used with DHC Scene Controller Cat. No. HCCS7-10W (backward compatible with 16400/16450-S and 16400/16450-SD units). Also provides multi-station manual and remote ON/OFF switching when used with Cat. No. MS00R-1 Multi-Remote Unit. Equipped with Intellisense (gated automatic gain control) for outstanding performance and reliability.

Responds to ON, OFF, ALL LIGHTS ON/ALL OFF and SCENE LIGHTING commands. Wires easily into standard wall box. Neutral Connection Required. Packed with Ivory and White Rocker and Frame Kits. Kits for other colors must be purchased separately (See Chart).

Rated: 10A 120V AC 60 Hz, 1200W Incandescent, 1200VA Fluorescent and Magnetic Low-Voltage Lighting

HCS10-1SW
INTELLISENSE™

HCM10-1SW, HCM06-1SW in 80301-W

HCS10-1SW in 80301-W

SPECIFICATIONS & FEATURES
• Fit in standard wallboxes and replace regular switches to provide manual and remote ON/OFF switching, dimming (except HCS10-1SW) and Scene Lighting Control
• Leviton's exclusive Intellisense™ virtually eliminates signal problems due to line noise
• Use existing 60Hz 120V AC house wiring to add multi-location switching without resorting to complicated and costly conventional wiring means
• Decora styled to coordinate with Leviton's Decora line of wiring devices
• Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE
• UL Listed (File #E-66800)
• CSA Certified (File # LR-54628)
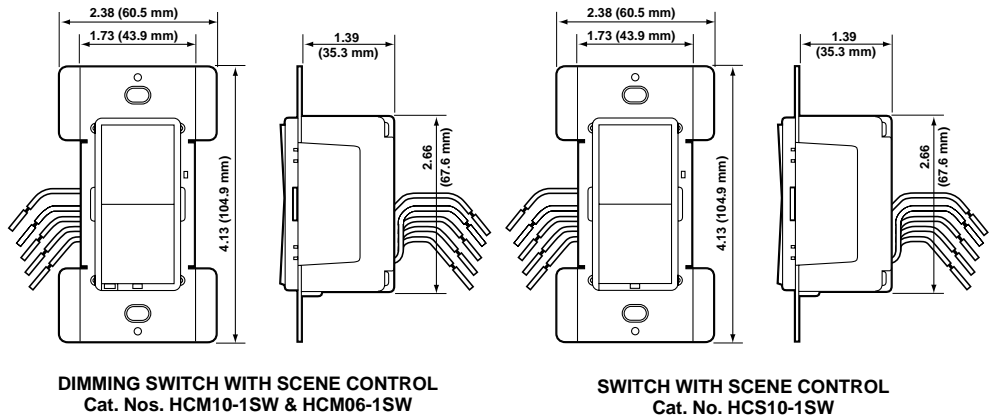• UL 244A Tested (and others where appropriate)

COLOR
Colors available as indicated. See chart for Rocker and Frame Color Change Kits (must be purchased separately)

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V-2 Rating
Operating Temperature: -40°C to 120°C

Rocker and Frame Kits for HCM10-1SW & HCM06-1SW					
Cat. No. Mahogany	Cat. No. Ivory	Cat. No. White	Cat. No. Gray	Cat. No. Almond	Cat. No. Black
———	DRK0D-1LI	DRK0D-1LW	DRK0D-1LG	DRK0D-1LA	DRK0D-1LE

Rocker and Frame Kits for HCS10-1SW					
Cat. No. Mahogany	Cat. No. Ivory	Cat. No. White	Cat. No. Gray	Cat. No. Almond	Cat. No. Black
———	DRK0S-0LI	DRK0S-0LW	DRK0S-0LG	DRK0S-0LA	DRK0S-0LE

2.38 (60.5 mm)
1.73 (43.9 mm)
1.39 (35.3 mm)
2.66 (67.6 mm)
4.13 (104.9 mm)

DIMMING SWITCH WITH SCENE CONTROL
Cat. Nos. HCM10-1SW & HCM06-1SW

2.38 (60.5 mm)
1.73 (43.9 mm)
1.39 (35.3 mm)
2.66 (67.6 mm)
4.13 (104.9 mm)

SWITCH WITH SCENE CONTROL
Cat. No. HCS10-1SW

DHC Powerline Carrier Wall Switches

Scene-Capable Receiver with One-Button Programming — The new DHC Scene-Capable Receivers provide one-button programming for scene and address capturing. All feature Leviton's exclusive Intellisense® to ensure top performance and reliability even when noise is present on the AC powerline.

Dimming Wall Switch Receivers provide manual and remote ON/OFF switching and full-range dimming for incandescent and magnetic low-voltage lighting loads. The new HCS08-1TW Electronic Switch Receiver (non-dimming) provides manual and remote ON/OFF switching for incandescent, magnetic low-voltage, fluorescent and compact fluorescent lighting. The new HCP03-10W Plug-In Module allows remote ON/OFF switching and full-range dimming for freestanding lamps, incorporating them into the lighting scenes. All Switch Receivers come with a locator LED. Dimming models feature an LED brightness level display and a preset feature that turns lights ON at the last selected brightness level. All -T Receivers allow 2-way status tracking with the DHC Toscana™ Deluxe Programmer and new 2-way capable controllers when receivers are changed locally.

Typical applications include home theaters, dining rooms, chandeliers, living rooms with multiple high-hats, entranceways, and a wide range of mood lighting applications.

HCM10-1DW in 80301-W

HCS08-1TW in 80301-W

DESCRIPTION	CAT. NO.	RATING	COLOR
600 Watt Scene-Capable Dimming Wall Switch Receiver with One-Button Programming and LED's	HCM06-1DW	600W, 125V AC Incandescent, 600VA (450W) Magnetic Low-Voltage Lighting	White (Ivory kit included)
1000 Watt Scene-Capable Dimming Wall Switch Receiver with One-Button Programming and LED's	HCM10-1DW	1000W, 125V AC Incandescent, 1000VA (750W) Magnetic Low-Voltage Lighting	White (Ivory kit included)
600 Watt Scene-Capable Dimming Wall Switch Receiver with One-Button Programming, 2-Way Communication and LED's	HCM06-1TW	600W, 125V AC Incandescent, 600VA (450W) Magnetic Low-Voltage Lighting	White (Ivory kit included)
1000 Watt Scene-Capable Dimming Wall Switch Receiver with One-Button Programming, 2-Way Communication and LED's	HCM10-1TW	1000W, 125V AC Incandescent, 1000VA (750W) Magnetic Low-Voltage Lighting	White (Ivory kit included)
1000W/1000VA 8 Amp Scene-Capable Electronic Switch Receiver (non-dimming) with One-Button Programming and 2-Way Communication	HCS08-1TW	8 Amp, 125V AC 1000W Incandescent, 1000VA (750W) Fluorescent & Magnetic Low-Voltage Lighting	White (Ivory kit included)
300 Watt Scene-Capable Dimming Plug-In Lamp Module with One-Button Programming	HCP03-10W	300W, 125V AC Incandescent	White Only

All devices are UL Listed and CSA Certified.

Special Note: As with any dimmer, derating for multiple gang installations is required for Wall Switch Receivers.

> • **Use DHC Dimming Wall Switch Receivers with Leviton DPSPE-112 Power Extender to extend120V load capacity to 2000W/2000VA for incandescent, magnetic low-voltage and Advance Mark X™ fluorescent dimming ballasts.**
> • **Use DHC Dimming Wall Switch Receivers with Leviton DPSPE-212 Power Extender to extend120V load capacity to 2000W/2000VA for Mark VII™ and OSRAM Sylvania Quicktronic® Helios™ fluorescent dimming ballasts.**

> **Note:** A Cat. No. HCA02-10E System Amplifier should be installed at the main panel in every DHC installation to ensure adequate signal strength.

COLOR CHANGE KITS FOR WALL SWITCH RECEIVERS (ROCKER AND FRAME)

For Receiver:	Compatible Color Change Kit					
	Cat. No. Mahogany	Cat. No. Ivory	Cat. No. White	Cat. No. Gray	Cat. No. Almond	Cat. No. Black
HCM06/10-1SW	——	DRK0D-1LI	DRK0D-1LW	DRK0D-1LG	DRK0D-1LA	DRK0D-1LE
HCM06/10/1DW	——	DRKDD-1LI	DRKDD-1LW	DRKDD-1LG	DRKDD-1LA	DRKDD-1LE
HCM06/10/1TW	——	DRKDD-1LI	DRKDD-1LW	DRKDD-1LG	DRKDD-1LA	DRKDD-1LE
HCS08-1TW	——	DRK0D-1LI	DRK0D-1LW	DRK0D-1LG	DRK0D-1LA	DRK0D-1LE
HCS10-1SW	——	DRK0S-1LI	DRK0S-1LW	DRK0S-1LG	DRK0S-1LA	DRK0S-1LE

SPECIFICATIONS & FEATURES
• New One Button Programming
• Provide Scene Control capability when used with DHC Scene Controller HCCS7-10W and HCCPG-1TW Toscana Programmer. Also backward compatible with 16400/16450-S and 16400/16450-SD Scene Controllers
• Receivers provide multi-station manual and remote On/Off switching and full-range dimming. Use MSOOR-10 Multi-Remote Unit (wall switch SW and DW suffix ONLY)
• Soft On/Fade Off brightness levels allowing extended bulb life
• Memory of last scene eliminating readjust settings — (HCS08-1TW and HCS10-1SW provide On/Off switch ONLY)
• Fits in standard wall boxes
• All devices come with Intellisense® technology providing the utmost in reliability
• Protected memory during minor power fluctuations
• Programmable in increments for any number of customized lighting scenes (except HCS08-1TW and HCS10-1SW)*
• LED locator light alongside rocker for convenience — on DW or TW suffix
• 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
* Requires use of HCCPG-1TW with Toscana programmer

TESTING & CODE COMPLIANCE
• UL Listed to File No. E31373
• CSA Certified to File No. LR3413
• NOM Certified #057

COLOR
Colors available as indicated. See chart for Rocker and Frame Kits (must be purchased separately)

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V-2 Rating

Operating Temperature: -40°C to 120°C

DHC with Intellisense™ Technology

RESi RESIDENTIAL GRADE

DHC Powerline Carrier Wall Switch Receivers

### DESCRIPTION   CAT. NO.

Multi-Location Incandescent Dimming Switch — Provides multi-station manual and remote switching and full-range dimming. When used with a 6294 Remote Switch equipped with Intellisense (gated automatic gain control) for outstanding performance and reliability.

Responds to ON, OFF, DIM, BRIGHT, and ALL LIGHTS ON/ALL OFF commands. Preset feature turns lights ON at last selected brightness level. Soft ON/Fade OFF feature provides eye-pleasing effect and extended bulb life. Protected memory maintains lighting level during minor power fluctuations. Built-in RFI filter. Wires easily into standard wall box. Packed with Ivory and White Rocker and Frame. Kits for other colors must be purchased separately (See Chart).

Rated: 120V AC 60Hz
500W max. Incandescent
60W min.

Note: To avoid overheating and possible damage to these units and other equipment, do not use the Cat. No. 6383 to control a receptacle, fluorescent lighting, motor-operated appliances or transformer-supplied loads. When the 6383 is ganged with any other device, the 6383 should not be loaded beyond 400W for a double-gang, or beyond 300W when three or more are ganged together.
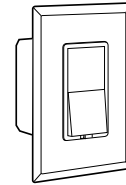
INTELLISENSE™
6383-WI

Single-Pole (One Location) Switch — Equipped with Intellisense (gated automatic gain control) and provides manual and remote ON/OFF control. Can be set to any of 256 DHC address codes to switch incandescent, inductive or resistive loads where dimming is not required. Responds to ON, OFF, ALL LIGHTS ON/ALL OFF commands. Wires easily into standard wall box using terminal screws. Neutral Connection Required. Pilot light is ON when switch is ON. Code wheels are located beneath rocker plate. Packed with Ivory and White Rocker and Frame. Kits for other colors must be purchased separately (See Chart).

Rated: 15A 120V AC 60Hz Incandescent, Inductive or Resistive
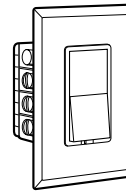
INTELLISENSE™
6291-WI

3-Way (Multi-Location) Switch — Equipped with Intellisense (gated automatic gain control). Provides manual and remote ON/OFF control in multi-station switching circuits when used in conjunction with one or more Cat. No. 6294 Remote Switches. The 6293 can be set to any of 256 DHC address codes to switch incandescent, inductive or resistive loads where dimming is not required. Responds to ON, OFF, ALL LIGHTS ON/ALL OFF commands. Wires easily into standard wall box using terminal screws. Neutral Connection Required. Pilot light is ON when switch is ON. Code wheels are located beneath rocker plate. For proper operation, the total length of traveler wire between Multi-Location Switch and Remote should not exceed 90 feet. Packed with Ivory and White Rocker and Frame. Kits for other colors must be purchased separately (See Chart).

Rated: 15A 120V AC 60Hz Incandescent, Inductive or Resistive
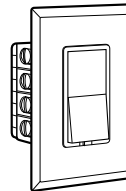
INTELLISENSE™
6293-WI

All devices are UL Listed and CSA Certified.

6383-WI in 80301-W

6293-WI in 80301-W

SPECIFICATIONS & FEATURES
• Fit in standard wallboxes and replace 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 exclusive Intellisense™ virtually eliminates signal problems due to line noise
• Use existing 60Hz 120V AC house wiring to add multi-location switching without resorting to complicated and costly conventional wiring means
• Decora styled to coordinate with Leviton's Decora line of wiring devices
• Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE
• UL Listed (File #E-66800)
• CSA Certified (File #LR-54628)
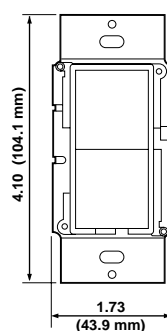• UL 244A Tested (and others where appropriate)

COLOR
Colors available as indicated. See chart for Rocker and Frame Kits (must be purchased separately)
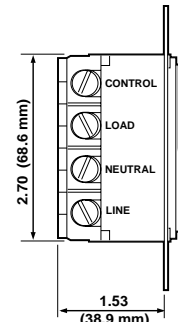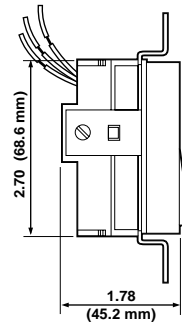
MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V-2 Rating
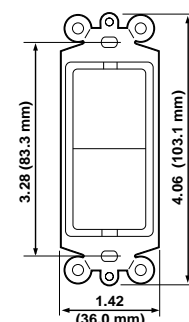Operating Temperature: -40°C to 120°C

Rocker and Frame Kits for 6383 Switch					
Cat. No. Mahogany	Cat. No. Ivory	Cat. No. White	Cat. No. Gray	Cat. No. Almond	Cat. No. Black
6081-M	6081-I	6081-W	6081-GY	6081-A	——
Rocker and Frame Kits for 6291 and 6293 Switch					
6091-M	6091-I	6091-W	6091-GY	6091-A	——

4.10 (104.1 mm)
1.73 (43.9 mm)

2.70 (68.6 mm)
1.78 (45.2 mm)

SINGLE-POLE INCANDESCENT DIMMING SWITCH
Cat. No. 6383-WI

2.70 (68.6 mm)
CONTROL
LOAD
NEUTRAL
LINE
1.53 (38.9 mm)

3.28 (83.3 mm)
4.06 (103.1 mm)
1.42 (36.0 mm)

SINGLE POLE, 3-WAY SWITCH
**Cat. Nos. 6291-WI, 6293-WI**

DHC Powerline Carrier Wall Switch Receivers

DESCRIPTION   CAT. NO.

3-Way and 4-Way (Multi-Location) Remote Dimming Switch — This unit is only for use as a remote switch with DHC Cat. Nos. HCM10-1SW, HCM06-1SW, and HCS10-1SW Multi-Location Switches with Scene Capability The MS00R-1 provides ON/OFF and DIM/BRIGHT 3-Way, 4-Way and higher-level control in conjunction with these units (Note: 16293 Switch does not provide DIM/BRIGHT control). The MS00R-1 cannot be used for any other purpose in the DHC network. Available in Ivory (-10I), White (-10W), and Almond (-10A). Kits for other colors must be purchased separately (See Chart).
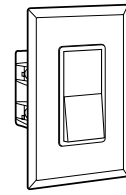
No Load Rating — For use with HCM10-1SW, HCM06-1SW, and HCS10-1SW Units with Scene Control Capability Only
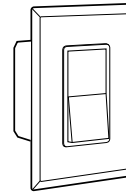
MS00R-1

3-Way and 4-Way (Multi-Location) Remote Switch — For use with DHC Cat. No. 6293 Multi-Location Switches 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. The unit wires easily into standard wall box using terminal screws. For proper operation, the total length of traveler wire between Multi-Location Switch and Remote should not exceed 90 feet. Available in Mahogany (no dash), Ivory (-I), White (-W), Almond (-A) and Gray (-GY). Specify color(s) when ordering, as snap-on cover and frame kits cannot be used with the 6294.
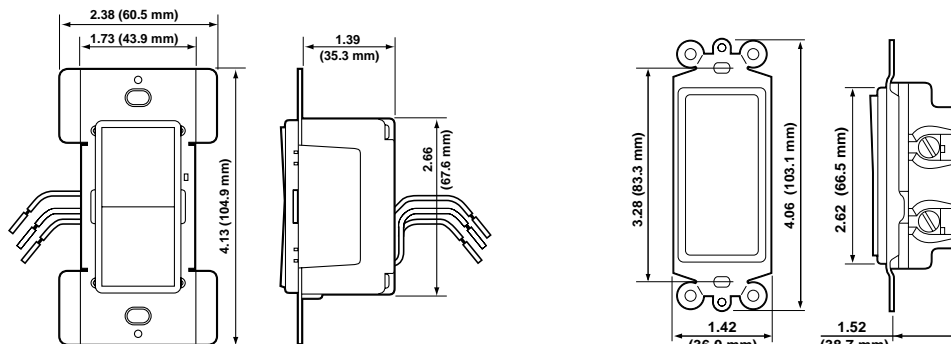
No Load Rating — For use with 6293 Units Only

6294

Double Pole Wall Switch — Equipped with Intellisense (gated automatic gain control). Provides local and remote ON/OFF control. Responds to ON/OFF and ALL OFF commands from controllers. Can be set to any of the 256 DHC address codes. Intended for control of pool pumps, air conditioning units, spa heaters and pumps, and other large residential loads. Wire easily into any standard wall box by means of six-inch leads. Available in Ivory only.
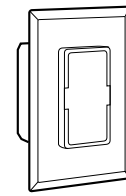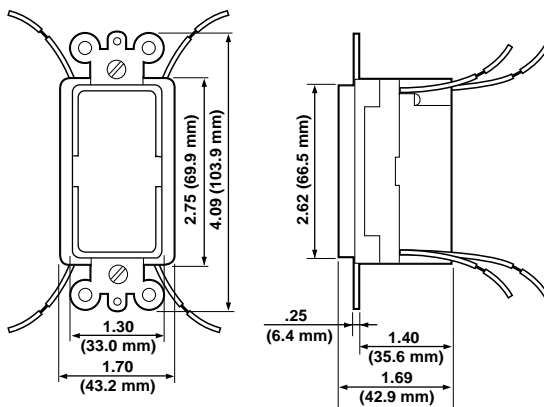
Rated: 20A 2 HP 250V AC 60Hz

6371-I

MS00R-1W in 80301-W

6371-I in 80301-I

SPECIFICATIONS & FEATURES
- Remote Units add multi-location capability to dimmer and switch receivers
- Fit in standard wallboxes to replace regular switches
- Leviton's exclusive Intellisense™ virtually eliminates command signal problems due to line noise
- 6371-I Heavy-duty appliance switch available for automated control of heavy-duty loads such as air conditioning and pool pumps
- Decora styled to coordinate with Leviton's Decora line of wiring devices
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE
- UL Listed (File #E-66800)
- CSA Certified (File # LR-54628)
- UL 244A Tested (and others where appropriate)

COLOR
Colors available as listed

HORSEPOWER
Cat. No 6371-I: 2 HP @ 250V 20A

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V-2 Rating
Operating Temperature: -40°C to 120°C

REMOTE DIMMING SWITCH
Cat. No. MS00R-10
2.38 (60.5 mm), 1.73 (43.9 mm), 1.39 (35.3 mm), 4.13 (104.9 mm), 2.66 (67.6 mm)

REMOTE SWITCH
Cat. No. 6294
3.28 (83.3 mm), 4.06 (103.1 mm), 2.62 (66.5 mm), 1.42 (36.0 mm), 1.52 (38.7 mm)

DOUBLE POLE SWITCH
Cat. No. 6371-I
2.75 (69.9 mm), 4.09 (103.9 mm), 2.62 (66.5 mm), 1.30 (33.0 mm), 1.70 (43.2 mm), .25 (6.4 mm), 1.40 (35.6 mm), 1.69 (42.9 mm)

Rocker and Frame Kits for MS00R-10 Switch					
Cat. No. Mahogany	Cat. No. Ivory	Cat. No. White	Cat. No. Gray	Cat. No. Almond	Cat. No. Black
—	DRK0R-00I	DRK0R-00W	DRK0R-00G	DRK0R-00A	DRK0R-00E

6337

HCP03-10W

SPECIFICATIONS & FEATURES
• Universal Low Voltage Module can automate devices operated at low voltages such as sprinklers, skylights, and heating/AC systems
• Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE
• UL Listed (File #E-66800)
• CSA Certified (File #LR-54628)
• NOM Certified (#057)
• UL 244A Tested (and others where appropriate)

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

DHC Powerline Carrier Receivers

DESCRIPTION   **CAT. NO.**

Universal Low Voltage Module — Almost any device operated at low voltages can now be automated using the 6337. This receiver interfaces between the low voltage device and the 120V AC wiring network. It receives an ON or OFF command from DHC Transmitters and can operate sprinkler systems, designated lighting, skylight closures, heating systems, garage door openers and other lighting and motor loads. Simply connect LV wiring to the screw terminal on the module and plug it into any 120V wall outlet.

In addition to switching contacts, the 6337 has a built-in alarm that can be set to sound whenever the switch contacts are closed. The 6337 can be set to operate the relay only, the alarm only, or both the relay and the alarm.

The 6337 can also be set for momentary operation so that the relay and/or the alarm will be turned on for approximately two seconds in response to any ON command. Does not respond to ALL LIGHTS ON or DIM/BRIGHT commands.
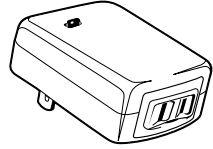
Rated: 120V 60Hz AC only.   **Contacts:** 5A 12V DC, 100VA 30V DC Inductive
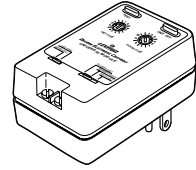
6337

Scene-Capable Receiver with One-Button Programming — Provides 1-button programming through address capturing. Provides manual and remote ON/OFF switching and remote full-range dimming for plug-in incandescent lamps. No wiring necessary; plugs into 15 Amp AC outlet. Allows local control of any lamp plugged into it. Available in White (-W) only. Provides Scene Control capability when used with DHC Scene Controller HCCS7-10W and HCCPG-1TW DHC Toscana Deluxe Programmer. Also backward compatible with 16400/16450-S and 16400/16450-SD DHC Scene Controllers. Equipped with Leviton's new Intellisense® advanced circuitry for the utmost in reliability, even where electrical "noise" exists on the power line. Responds to ON, OFF, DIM, BRIGHT, ALL LIGHTS ON/ALL OFF and SCENE LIGHTING commands.

Rated: 120V 60Hz, 300W Incandescent

HCP03-10W

INTELLISENSE™

UNIVERSAL LOW VOLTAGE MODULE
Cat. No. 6337

PLUG IN LAMP RECEIVER
Cat. No. HCP03-1SW

DHC Powerline Carrier Receptacle Receivers

DESCRIPTION   CAT. NO.

Split Duplex Wall Receptacle — Equipped with Intellisense (gated automatic gain control). Top outlet provides remote ON/OFF load control in response to controller command signals. Bottom outlet is continuously live. Local control of any light or appliance plugged into the controlled outlet can be achieved by switching the load ON/OFF switch once or twice. Will not respond to ALL LIGHTS ON command. Fits standard wall boxes and supplied with leads for easy installation.
Rated: 15A 120V 60Hz AC only. **NEMA 5-15R** .

6227-I
6227-W
6227-A

NEMA 5-15R

6227-W in 80301-W

Duplex Wall Receptacle — Equipped with Intellisense (gated automatic gain control). 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. Will not respond to ALL LIGHTS ON command. No local control available.
Rated: 15A 120V 60Hz AC only. **NEMA 5-15R**

6280-I
6280-W
6280-A

NEMA 5-15R

Single Wall Receptacle★ — Equipped with Intellisense (gated automatic gain control). Provides ON/OFF control. No local control available. Wires easily into standard wallbox using supplied six-inch leads. Will not respond to ALL LIGHTS ON command.
Rated: 20A 120V 60Hz AC only. **NEMA 5-20R**

6296-I
6296-W

NEMA 5-20R

6280-W in 80301-W

Single Wall Receptacle★ — Equipped with Intellisense (gated automatic gain control). Provides ON/OFF control. No local control available. Wires easily into standard wallbox using supplied six-inch leads. Will not respond to ALL LIGHTS ON command.
Rated: 20A 250V 60Hz AC only. **NEMA 6-20R**

6298-I
6298-W

NEMA 6-20R

All devices are UL Listed. Also CSA Certified except where indicated by★

SPECIFICATIONS & FEATURES
- Configurations for all commonly used amperage/voltage house combinations
- Fit in standard wallboxes to provide remote switching
- Leviton's exclusive IIntellisense™ virtually eliminates switching problems due to line noise
- Decora styled to coordinate with Leviton's Decora line of wiring devices
- Backed by a Limited Two-Year Warranty
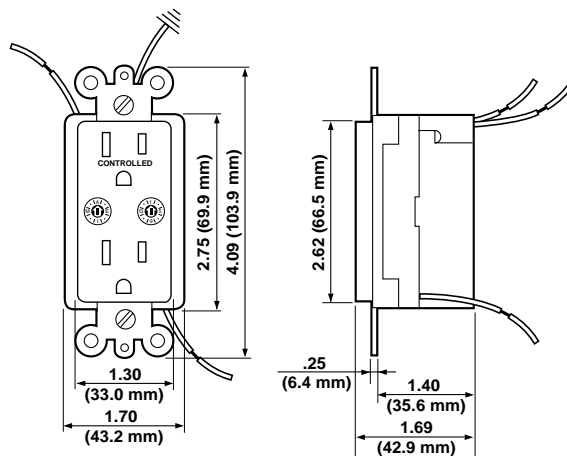
TESTING & CODE COMPLIANCE
- UL Listed (File #E-66800)
- CSA Certified (File # LR-54628)
- NOM Certified (#057)
- UL 224A Tested (and others as appropriate)

COLOR
Basic Cat. No. denotes Brown. For other colors add suffix to cat. nos. as follows: Ivory (-I), White (-W), Almond (-A).

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

Operating Temperature: -40°C to 120°C

CONTROLLED

2.75 (69.9 mm)
4.09 (103.9 mm)

2.62 (66.5 mm)

1.30
(33.0 mm)
1.70
(43.2 mm)

.25
(6.4 mm)
1.40
(35.6 mm)
1.69
(42.9 mm)

WALL RECEPTACLE
Cat. No. 6227

RESi RESIDENTIAL GRADE

6290

6375

DHC Powerline Carrier Receiver Modules

DESCRIPTION	CAT. NO.

2000 Watt Dimmer Module — Full range dimming for up to 2,000 watt lighting loads. Unit is surface mounted to control entire circuits or selected incandescent, tungsten halogen (quartz iodine) or low voltage loads. Responds to ALL LIGHTS ON/ALL OFF, ON, OFF, DIM/BRIGHTEN commands from DHC transmitters. Housed in mounting box with terminal strip wiring.
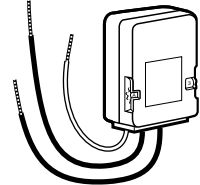
Rated: 2000W, 2000VA, 120V 60Hz AC only.
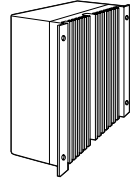
6290

Fixture Relay Module — Can be mounted at either an incandescent or fluorescent fixture by means of adhesive strips. Responds to ON/OFF and ALL LIGHTS ON/ALL OFF commands from controllers. Equipped with leads for easy installation.
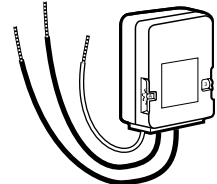
Rated: 15A 120V 60Hz AC only, incandescent, inductive, or resistive.

6375

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.

Rated: 300W incandescent 120V 60Hz AC only.

6376

All devices are UL Listed and CSA Certified.

SPECIFICATIONS & FEATURES
- Fixture modules provide direct control for fixtures where only remote control is necessary
- 2000 Watt Dimming Module controls heavy loads, including entire circuits
- Plug-In Lamp Module adds convenience of remote ON/OFF and DIM/BRIGHT DHC switching capability to plug-in incandescent lamps
- Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE
- UL Listed (File #E-66800)
- CSA Certified (File #LR-54628)
- NOM Certified (#057)
- UL 224A Tested (and others as appropriate)

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating

Operating Temperature: -40°C to 120°C

2.87 (73.0 mm)
8.0 (203.2 mm)
.75 (19.0 mm)
10.0 (254.0 mm)
2.87 (73.0 mm)
1.25 (31.8 mm)
9.50 (241.3 mm)
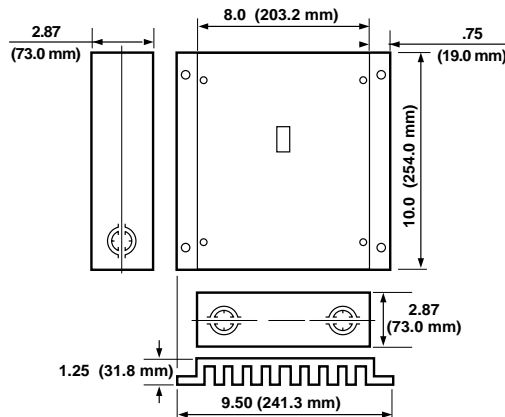
2000 WATT DIMMER MODULE
Cat. No. 6290

1.3 (53.3 mm)
2.100 (53.3 mm)
2.95 (74.9 mm)
BLACK
BLUE
WHITE
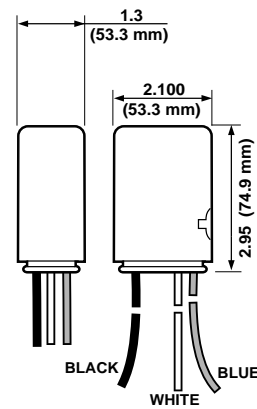
FIXTURE RELAY MODULE
Cat. No. 6375

DHC Powerline Carrier Couplers and Filters

DESCRIPTION   CAT. NO.

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 120V AC. The 6287 prevents interference generated by fixture components from interfering with DHC signals.

Rated: 5A 120V 60Hz AC only.

6287

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.

Rated: 5A 120V 60Hz AC only.
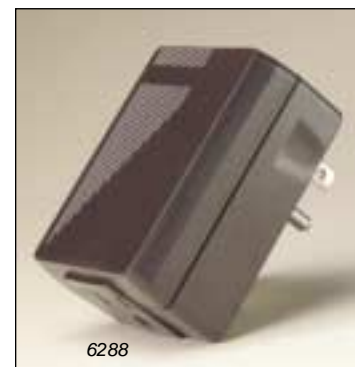
6288

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.

6289

DHC Powerline Carrier Test Equipment

DESCRIPTION   CAT. NO.

Signal Strength Indicator — Measures command signal strength at individual module locations. Minimum signal strength required for proper DHC Powerline Carrier component operation is 100mV. For use with 6385 Signal Strength Indicator.

6386

All devices are UL Listed only, not CSA Certified.

6287

6288

6386

1.58 (40.1 mm)

5 AMP BLOCK
CAT. NO. 6287

6287   BLACK LOAD
BLACK HOT L
WHITE NEUTRAL

UL LISTED
898F APPLIANCE CONTROL

1.85 (46.9 mm)

NOISE BLOCK—Cat. No. 6287

2.92 (74.2 mm)

1.43
(36.2 mm)

PLUG-IN NOISE FILTER—Cat. No. 6288

1.17
(29.7 mm)

2.60 (66.0 mm)

IN-LINE NOISE REDUCER—Cat. No. 6289

SPECIFICATIONS & FEATURES
• These devices are designed to eliminate interference from appliances, electronic ballasts and home electronics in order to insure top performance from DHC systems
• Backed by a Limited Two-Year Warranty
Signal Strength Indicator
• Signal strength testing equipment used to ensure proper operation of DHC system
• Backed by a Limited Two-Year Warranty

TESTING & CODE COMPLIANCE
• NOM Certified (#057)
• UL Listed (E-66800)
Signal Strength Indicator
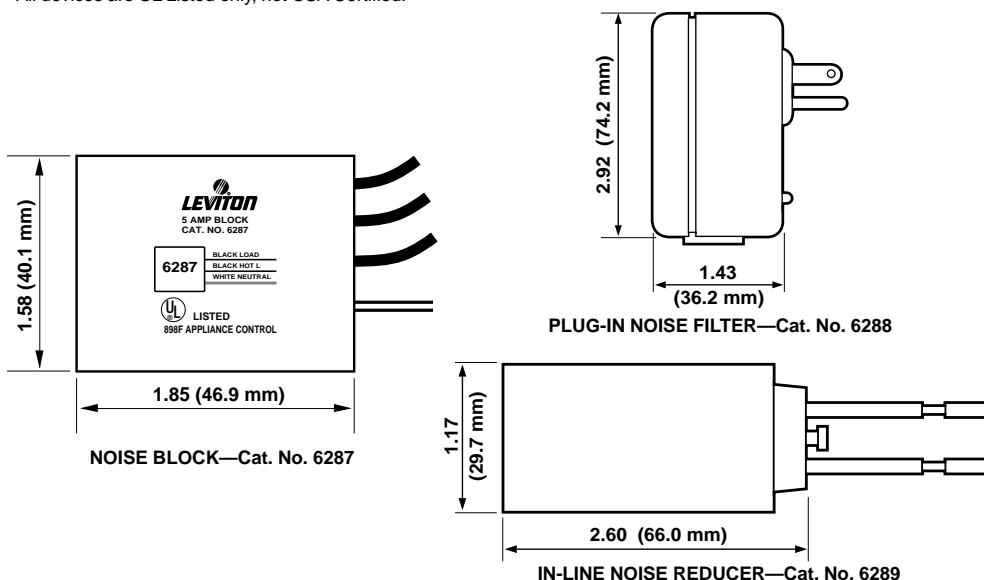• UL Listed (File #E-66800)
• NOM Certified (#057)
• UL 224A Tested (and others as appropriate)

MATERIAL CHARACTERISTICS
Environmental: Flammability (Engineering Thermoplastic) UL-94, V2 Rating
Operating Temperature: -40°C to 120°C

How To Use This Catalog

This edition of the Leviton Wiring Device Catalog has been re-designed to help you find the device you're seeking in the quickest and easiest way possible. To achieve this, each Section (A, B, C, etc.) has been divided into three distinct portions in the following sequence — Industrial Specification Grade first, Commercial Specification Grade second, Residential Grade third — and grouped according to their amperage and voltage, lowest to highest. (Some product classes may have slight differences.) If you need to place an order for any quantity of 15 Amp, 125 Volt, Industrial Specification Grade duplex receptacles with back and side wiring, you would begin your search for the right Leviton product with the Table of Contents. Here you'll see that all receptacles are listed in Section D. Turning to Section D, you'll find that product descriptions now lead off each listing, so that you'll be able to understand what the device is about, functionally, in relation to your needs. Product description, in turn, is followed by Amps and catalog numbers for ordering purposes. To assist you further, such helpful highlights as Specifications & Features, Testing & Code Compliance, Color listing, Material Characteristics, color photos and dimensional drawings virtually fill each page. Four-color photographs have been added throughout the catalog to provide you with an enhanced view of the Leviton product line.

Any page in this D-503 Catalog can be used as a specificer sheet or as part of a presentation; and any page can be clearly faxed to customers and prospects. Product classes may also be pinpointed in the Quick Reference Guide following the Table of Contents. After turning to the proper page, you would locate the catalog number for the item that corresponds to your needs, along with basic information about similar items. Wiring diagrams, NEMA Configuration Charts, Electrical Industry Definitions, ANSI Architectural Symbols, and other related information can be found in the Technical Section (T). Specific product catalog numbers are listed in the exhaustive index at the back of the catalog.

A

INDUSTRIAL SPECIFICATION GRADE

Straight Blade Receptacles

B

5262-I

Back and Side Wired (Basic Cat. No. Denotes Brown Device*) **D** **E** **F**

DESCRIPTION	CAT. NO./COLOR 15A/125V 5-15R	CAT. NO./COLOR 15A/250V 6-15R	CAT. NO./COLOR 20A/125V 5-20R	CAT. NO./COLOR 20A/250V 6-20R
Duplex Receptacle, 1 Pce. Brass Strap	5262A I, W, GY	——	5362A I, W, GY	
Duplex Receptacle, Steel Strap	5262 I, W, GY, R, E	5662 I, A	5362 I, W, GY, R, E	5462 I, A
Single Receptacle	5261 I, W, GY	5661	5364	5461 I, A

C **G**

H

... Design ...	...V	...COLOR	...V 20A/250V
Duplex Receptacle	5242 I, W, GY, R	——	5342 I, W, GY, R
Single Receptacle	5251 I	5651 I	5351 I

SPECIFICATIONS & FEATURES
- Impact-resistant thermoplastic nylon cover and body
- Smooth face does not collect dirt
- Four corner latches securely fasten face
- Locked-in mounting strap
- Large, triple-wipe, brass "T" contacts for superior contact and conductivity
- Back and side-wiring options

TESTING & CODE COMPLIANCE
- UL Listed 498 (UL File #13399); UL Federal Specification WC-596
- CSA Certified where applicable (CSA File #LR-406)
- NOM Certified (#057)
- Backed by a Limited 10-Year Warranty

*COLOR
Basic Cat. Nos. shown above denote Brown color device. For other color selections, add suffix to the catalog number as follows: Ivory (-I), White (-W), Red (-R), Gray (-GY).

MATERIAL CHARACTERISTICS
Environmental: Flammability Rated V2

I

J

K

1.09 (27.7 mm) 1.56 (39.6 mm)
3.27 (83.1 mm) 4.06 (103.2 mm)
2.78 (7...)
0.84 (21.4 mm)

BACK & SIDE WIRED
Cat. No. 5252

4.06 (103.2 mm) 3.28 (83.3 mm) 2.38 (60.3 mm)
1.31 (33.3 mm) 1.06 (27.0 mm)

SINGLE RECEPTACLE
Cat. No. 5361

A Choose GRADE, if appropriate	**E** Select RATING and WIRING	**I** TESTING & CODE COMPLIANCE
B PHOTOGRAPH	**F** Check for NEMA CONFIGURATION	**J** COLOR LISTING
C Check for SINGLE or DUPLEX	**G** COLOR ABBREVIATIONS	**K** DIMENSIONAL ILLUSTRATIONS
D Find AMPERAGE	**H** SPECIFICATIONS & FEATURES	