



Switch (Single Pole or Multi-Location)

Rated: 8A-120VAC, 60HZ

Cat. No. HCS08

Incandescent: 1000W max.,
8A-120VAC

Fluorescent: 1000VA max.,
8A-120VAC

Magnetic Low-Voltage: 1000VA max.,
8A-120VAC

INSTALLATION INSTRUCTIONS



DI-000-HCS08-00A

LIMITED 2 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for two years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such two year period the product is returned prepaid, with proof of purchase date, and a description of the problem to Leviton Manufacturing Co., Inc., At: Quality Assurance Department, 59-25 Little Neck Parkway, Little Neck, New York 11362-2591. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to two years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

For Technical Assistance Call:
1-800-824-3005 (U.S.A. Only)
www.leviton.com



DI-000-HCS08-00A

FEATURES

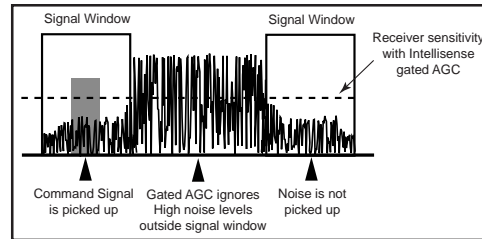
- Leviton's Decora® Style design
- Intellisense Circuitry
- Works with Transmitters and Controllers
- 2-Way Communication when used with 2-Way Transmitters
- ON/OFF LED indicates status of load
- DHC Scene Capable
- One Button Programming
- Color conversion available

INTRODUCTION

Leviton Residential Powerline Carrier Components are designed to provide the greatest signal integrity and noise immunity possible. However, in some environments intense electrical noise can cause interference with the signal. Leviton has developed hardware and techniques for overcoming this interference when properly applied.

LEVITON'S DHC DEVICES FEATURE INTELLISENSE, THE RIGHT TYPE OF AUTOMATIC GAIN CONTROL (AGC)

Leviton DHC devices use Intellisense, a special gated-type of AGC, to help eliminate noise problems. This circuit feature is ideal for powerline carrier systems because it only operates during the signal window when receivers listen for command signals. Noise levels in the signal window are never as high as they are during other portions of the AC power curve. Therefore, Leviton's Intellisense gated AGC will desensitize a receiver to noise signals with only a minimal reduction in command signal sensitivity. The result: Problems from noise interference are dramatically reduced without affecting overall system performance.



It is the responsibility of the specifier/installer to test for signal strength and the presence of noise using Leviton test equipment, Cat. Nos. 6385 (Signal Test Transmitter) and 6386 (Signal Strength Indicator), and to properly apply signal coupling and noise reduction equipment according to the guidelines provided in the Decora Home Controls (DHC) Technical Manual and the DHC Troubleshooting Guide.

Leviton specifically denies any warranty of performance, stated or implied, where electrical noise interference exists at the time of installation, or subsequent to installation by the addition of noise-producing devices or equipment, or where these components have been installed for non-residential applications.

DHC Components are for residential use only. Installation for any other application voids any warranty, stated or implied.

DESCRIPTION

The Leviton Universal Switch, Cat. No. HCS08, is designed for use with DHC Residential Powerline Carrier Components. Cat. No. HCS08 functions as a remote switching device which responds to coded ON/OFF, and ALL LIGHTS ON/OFF commands.

Cat. No. HCS08 can be operated manually as a standard type switch. The module may be set to any of 256 address codes, to be selected at the time of installation. The desired address is set by depressing and holding the recessed button until the ON/OFF LED flashes. The code is then learned from any transmitter when it sends the DHC command. The module is equipped with six-inch leads and installs in a standard wall box. It is suitable for incandescent, fluorescent and magnetic low-voltage lighting loads.

FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF an ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/tv technician for help.

INSTALLATION INSTRUCTIONS

WARNING: TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH APPROPRIATE ELECTRICAL CODES AND REGULATIONS.

WARNING: IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT A QUALIFIED ELECTRICIAN.

WARNING: TO REDUCE THE RISK OF OVERHEATING AND POSSIBLE DAMAGE TO OTHER EQUIPMENT, DO NOT INSTALL TO CONTROL A RECEPTACLE, MOTOR-OPERATED APPLIANCE, OR A TRANSFORMER-SUPPLIED APPLIANCE, OTHER THAN THE APPROPRIATE LOW-VOLTAGE LIGHTING.

CAUTION (For Incandescent Only): USE WITH INCANDESCENT OR 120V HALOGEN FIXTURES ONLY.

CAUTION (For Magnetic Low-Voltage Only):

- USE WITH MAGNETIC LOW-VOLTAGE TRANSFORMERS, INCANDESCENT, OR 120V MAGNETIC LOW-VOLTAGE HALOGEN FIXTURES ONLY. USE A LEVITON ELECTRONIC LOW-VOLTAGE DIMMER TO CONTROL ELECTRONIC (SOLID STATE) LOW-VOLTAGE TRANSFORMERS.
- WHEN A MAGNETIC LOW-VOLTAGE CIRCUIT IS OPERATED AT A DIM LEVEL, WITH ALL LAMPS INOPERATIVE, EXCESS CURRENT MAY FLOW THROUGH THE TRANSFORMER. TO AVOID POSSIBLE TRANSFORMER FAILURE DUE TO OVERCURRENT, USE A TRANSFORMER THAT INCORPORATES THERMAL PROTECTION OR A FUSE AT THE PRIMARY WINDINGS.

OTHER CAUTIONS AND NOTES:

- DISCONNECT POWER WHEN SERVICING FIXTURE OR CHANGING BULBS.
- USE THIS DEVICE ONLY WITH COPPER OR COPPER CLAD WIRE. WITH ALUMINUM WIRE USE ONLY DEVICES MARKED CO/ALR OR CU/AL.
- SAVE THIS INSTRUCTION SHEET. IT CONTAINS IMPORTANT TECHNICAL DATA ALONG WITH TESTING AND TROUBLESHOOTING INFORMATION WHICH WILL BE USEFUL AFTER INSTALLATION IS COMPLETE.

MULTI-GANG INSTALLATION:

When ganging dimmers, the side sections of the mounting strap must be removed. Use pliers to carefully bend side sections back and forth until they break off (refer to Figure 2). The side sections dissipate heat, so removing them requires a derating of the dimmer's capacity (see chart).

TO INSTALL:

- WARNING:** TO AVOID FIRE, SHOCK, OR DEATH; **TURN OFF POWER** AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!
- Remove existing wallplate and switch or dimmer, if applicable.
- Remove 3/4" (1.9 cm) of insulation from each circuit conductor. Make sure that ends of conductors are straight.
- Connect lead wires per appropriate WIRING DIAGRAM as follows: Twist strands of each lead tightly and, with circuit conductors, push firmly into appropriate wire connector. Screw connectors on clockwise making sure that no bare conductor shows below the wire connectors. Secure each connector with electrical tape.
- Mount device "TOP" up to wall box with screws provided. Restore power at circuit breaker or fuse.
- Using a small pointed object (i.e., small screwdriver), depress and hold the Program Switch until the ON/OFF LED flashes (refer to Figure 2). The unit is now ready to accept a DHC code.
At a DHC single controller, verify code setting to be learned and press upper rocker. The dimmer will now accept and memorize code (refer to Figure 2).
On a multi-button transmitter, verify base code then press the appropriate ON button of row desired. The dimmer will accept and memorize the appropriate code for that button.
NOTE: The code can be changed by repeating the procedure and selecting a different code or button.
- If it is desirable to change the color of the device, do so now by following the "Color Conversion Procedure".

MAXIMUM LOAD PER DIMMER FOR MULTI-GANG			
Cat. No.	Single	Two Gang	More than 2 Gang
HCS08	1000W	800W	700W
HCS08	1000VA	800VA	700VA

Figure 1 – Switch Plate Removal

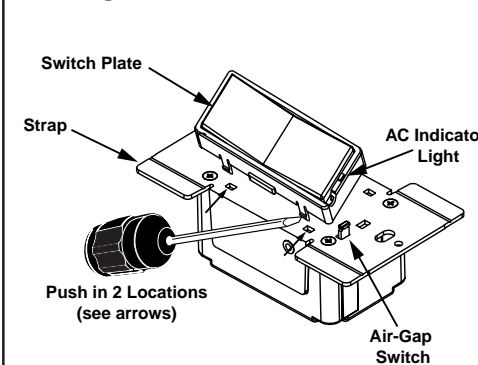


Figure 2 – Switch Functions

