HLC KEYPAD ROOM CONTROLLER

Cat. No. HLCK6

DI-000-HLCK6-00A-X2

WARNINGS AND CAUTIONS

- **TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER** at circuit breaker or fuse and test that power is off before wiring!
- If you are unsure about any part of these instructions, consult an electrician.
- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- Use this device with **copper or copper-clad wire only.**
- For **indoor** use only.
- SAVE THESE INSTRUCTIONS.

INSTALLATION INSTRUCTIONS AND USER'S GUIDE — ENGLISH

OVERVIEW

The Leviton® HLC Keypad Room Controller ***(Figure 1)*** allows for lighting control of a room where Leviton UPB™ Wall Switches have been installed. It uses the UPB™ two-way powerline communication technology to communicate with Leviton controllers, UPB™ Wall Switches, and other UPB™ devices on the network.

The HLC Keypad Room Controller has six pushbuttons labeled ON, A, B, C, D, and OFF (although these buttons may be custom engraved). Each pushbutton is slightly backlit so that the buttons can be seen in a dark room. Depending on configuration of the HLC Keypad Room Controller, one or more of the six pushbuttons will be distinctly illuminated, indicating the pushbutton has been pressed or a scene has been selected. Each lighting scene pushbutton (A-D) can be configured to custom fit an individual's lifestyle and desires. UPB™ Wall Switch Dimmers are capable of storing preset light levels and fade rates to create powerful lighting scenes.

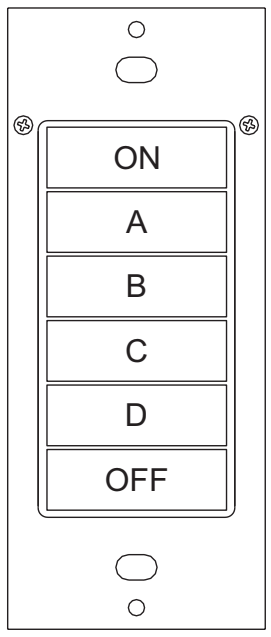

Figure 1
HLC Keypad Room Controller

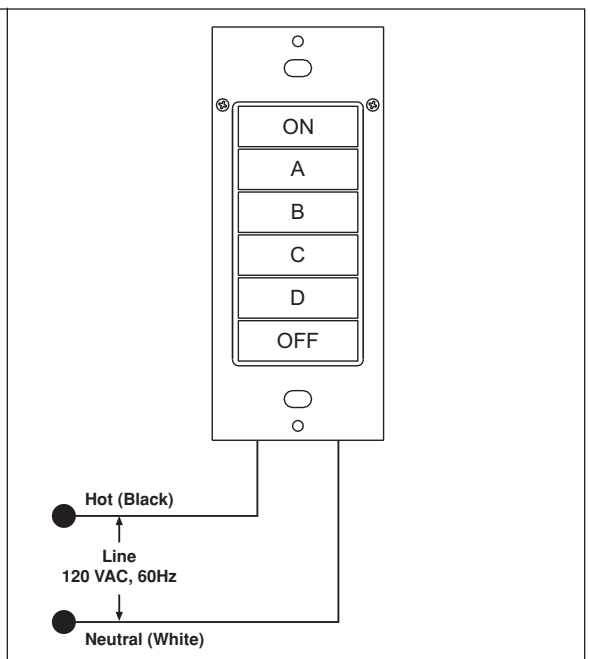

Figure 2
Wiring Diagram

INSTALLATION

1. **WARNING: TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER** at circuit breaker or fuse and test that power is off before wiring!
2. If applicable, remove the faceplate from the existing device, remove the existing device from the wall box, and disconnect the wires from the existing device. Identify the "Line" ***(black)*** and "Neutral" ***(white)*** wires.
3. Remove 3/4" of insulation from each of the wires on the HLC Keypad Room Controller. Install the HLC Keypad Room Controller by connecting wires per WIRING DIAGRAM ***(Figure 2)***.
4. After all connections have been made, be certain that all wire connectors are firmly attached and there is no exposed copper.
5. Gently place the wires and HLC Keypad Room Controller into the wall box with the ON pushbutton at the top of device. Using the supplied screws, attach the HLC Keypad Room Controller to the wall box.
6. Before installing the faceplate, restore power to the circuit for testing.
7. After testing the HLC Keypad Room Controller for proper local operation, install a Decora® faceplate over the HLC Keypad Room Controller.

HLC KEYPAD ROOM CONTROLLER OPERATION

The HLC Keypad Room Controller has many configurable items that can be set using the UPB™ UPStart configuration software. The following describes the operation of the HLC Keypad Room Controller in its factory default configuration.

The HLC Keypad Room Controller has six pushbuttons labeled ON, A, B, C, D, and OFF (although these buttons may be custom engraved), which are used to control six lighting scenes. When the pushbutton labeled "ON" is pressed, the LED behind the "ON" pushbutton is illuminated and any other is turned off. When the pushbutton labeled "OFF" is pressed, the LED behind the "OFF" pushbutton is illuminated and any other is turned off. When one of the pushbuttons labeled "A", "B", "C", or "D" is pressed, the LED behind the respective pushbutton is illuminated and any other is turned off. No more than one pushbutton is illuminated at a time.

PUSHBUTTON OPERATION

In its factory default configuration:

- The "ON" pushbutton will brighten the UPB™ Wall Switch Dimmers to 100% at each switch's default fade rate when pressed. When the "ON" pushbutton is double-tapped, the UPB™ Wall Switch Dimmers will snap to 100%. When pressed or double-tapped, the "ON" pushbutton will illuminate and any others are turned off. The "ON" pushbutton is also used to brighten the last lighting scene that was turned on. When the "ON" pushbutton is pressed and held down, the UPB™ Wall Switch Dimmers will slowly brighten, and then stop brightening when the "ON" pushbutton is released.
- The "OFF" pushbutton will fade the UPB™ Wall Switch Dimmers to 0% (off) at each switch's default fade rate when pressed. When the "OFF" pushbutton is double-tapped, the UPB™ Wall Switch Dimmers will snap to 0%. When pressed or double-tapped, the "OFF" pushbutton will illuminate and any others are turned off. The "OFF" pushbutton is also used to dim the last lighting scene that was turned on. When the "OFF" pushbutton is pressed and held down, the UPB™ Wall Switch Dimmers will slowly dim, and then stop dimming when the "OFF" button is released.
- The "A" pushbutton will brighten the UPB™ Wall Switch Dimmers to 80% at each switch's default fade rate when pressed or double-tapped. When pressed, the "A" pushbutton will illuminate and any others are turned off.
- The "B" pushbutton will brighten the UPB™ Wall Switch Dimmers to 60% at each switch's default fade rate when pressed or double-tapped. When pressed, the "B" pushbutton will illuminate and any others are turned off.
- The "C" pushbutton will brighten the UPB™ Wall Switch Dimmers to 40% at each switch's default fade rate when pressed or double-tapped. When pressed, the "C" pushbutton will illuminate and any others are turned off.
- The "D" pushbutton will brighten the UPB™ Wall Switch Dimmers to 20% at each switch's default fade rate when pressed or double-tapped. When pressed, the "D" pushbutton will illuminate and any others are turned off.

CONFIGURING THE HLC KEYPAD ROOM CONTROLLER

The HLC Keypad Room Controller is designed to control a room of lighting using HLC Lighting Control but also has several configuration options that can be enabled or modified using the UPB™ UPStart configuration software.

OPTION	FACTORY DEFAULT	1ST - 7TH UNIT IN AN HLC ROOM	8TH UNIT IN AN HLC ROOM
"ON" Pushbutton	On Button / Link 001	Turns all lighting loads in the room on at their default fade rate.	Toggles the lighting loads in Room 1 on and off.
"OFF" Pushbutton	Off Button / Link 002	Turns all lighting loads in the room off at their default fade rate.	Toggles the lighting loads in Room 2 on and off.
"A", "B", "C", and "D" Pushbuttons	Scene Activator / Links 003, 004, 005, 006, respectively	Activates four different lighting scenes in the room.	Toggles the lighting loads in Room 3 through Room 6 on and off, respectively.
"ON", "OFF", "A", "B", "C", and "D" LED Indicators	Each LED Indicator is assigned to its pushbutton's Link ID. Each LED Indicator is mutually exclusive (only one LED is on at a time).	When any light in the room is turned on or the "ON" pushbutton is pressed, the "ON" pushbutton is illuminated and any other is turned off. When all lights in the room are turned off or the "OFF" pushbutton is pressed, the "OFF" pushbutton is illuminated and any other is turned off. When pushbutton "A", "B", "C", or "D" is pressed, the respective pushbutton is illuminated and any other is turned off.	When the room is turned on using the pushbutton, the LED indicator under the respective pushbutton is illuminated. When the room is turned off using the pushbutton, the LED indicator under the respective pushbutton is turned off. Anytime a lighting load in a room is turned on, the LED indicator under the respective pushbutton (room) is illuminated. When all loads in a room are turned off, the LED indicator under the respective pushbutton (room) is turned off.
UPB Transmission Attempts	2	No change	No change
UPB ID	NID = 255 UID = 080	Leviton controller configures Network ID (NID), Unit ID (UID), Network Password, Network Name, Room Name, Device Name, etc.	Leviton controller configures Network ID (NID), Unit ID (UID), Network Password, Network Name, Room Name, Device Name, etc.
LED Brightness	High	No change	No change
LED Backlighting	Enabled	No change	No change

CONFIGURING KEYPAD LOCKOUT FEATURE

HLC Keypad Room Controllers have a lockout feature that can be used to temporarily disable the pushbuttons so that they cannot be used to control lighting. To use the lockout feature:

STEP	OPERATION
Enable Lockout	Press and hold the "A", "B", "C", and "D" pushbuttons simultaneously for at least 3 seconds. All LED indicators are turned off and pushbuttons will no longer control lighting.
Disable Lockout	With the Lockout feature enabled, press and hold the "A", "B", "C", and "D" pushbuttons simultaneously for at least 3 seconds. The HLC Keypad Room Controller will reset and the pushbuttons will become active and will be able to control lighting again.

CONFIGURING LIGHTING SCENES

HLC Keypad Room Controllers are designed to work with UPB™ Wall Switch Dimmers to create custom lighting scenes. Each pushbutton on the HLC Keypad Room Controller can be easily configured for new lighting scenes as follows:

STEP	OPERATION
1	Press the pushbutton on the HLC Keypad Room Controller to activate the current scene (preset lighting level) in each of the UPB™ Wall Switch Dimmers.
2	Use the local rocker switch on each UPB™ Wall Switch Dimmer(s) to set the desired lighting level(s).
3	Press the pushbutton on the HLC Keypad Room Controller five (5) times quickly.
4	Each UPB™ Wall Switch Dimmer will flash its lighting load one time to indicate that the new level has been configured.

SETUP MODE

To configure the HLC Keypad Room Controller using a Leviton controller or a PC running the UPB™ UPStart configuration software, it must be put into Setup Mode as follows:

STEP	OPERATION
1	Press and hold the “ON” and “OFF” pushbuttons simultaneously for at least 3 seconds.
2	All of the LED indicators will blink to indicate that the HLC Keypad Room Controller is in Setup Mode.

RESET TO FACTORY DEFAULT SETTINGS

To reset the HLC Keypad Room Controller to factory default settings:

STEP	OPERATION
1	Press and hold the “ON” and “OFF” pushbuttons simultaneously for at least 3 seconds.
2	All of the LED indicators will blink to indicate that the HLC Keypad Room Controller is in Setup Mode.
3	Press and hold the “A” and “D” pushbuttons simultaneously for at least 3 seconds.
4	The LED indicators will stop blinking and the “A” and “D” pushbuttons will illuminate to indicate that it has been reset.

SPECIFICATIONS

CAT. NO.	HLCK6
Number of Backlit Pushbuttons with LED Indicators	6
Dimensions	4.1 in. x 1.75 in. x 1.2 in.
Weight	3.2 oz
Mounting	Standard J Box
Input Power	120 ± 12 VAC
Standby Power	< .8 Watts
Input Frequency	60 ± 3 Hz
Temperature	-40°F to 194°F

NOTE: It is normal for this switch to make a slight buzzing sound during operation.

CUSTOM ENGRAVING

For Custom engraving options please visit ***www.Leviton.com/engraving***

FCC COMPLIANCE STATEMENT:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

IC COMPLIANCE STATEMENT:

This ISM device complies with Canadian ICES-001.

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9** or by telephone at **1 800 405-5320.**

LEVITON LIMITED WARRANTY

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that products manufactured by Leviton under the Leviton brand name (“Product”) will be free from defects in material and workmanship for the time periods indicated below, whichever is shorter: • **OmniPro II and Lumina Pro**: three (3) years from installation or 42 months from manufacture date. • **Omni LTe, Omni IIe, and Lumina**: two (2) years from installation or 30 months from manufacture date. • **BitWise Controllers, Accessories**: two (2) years from installation or 30 months from manufacture date. • **Lumina Gateway Controllers**: two (2) years from installation or 30 months from manufacture date. • **Thermostats, Accessories**: two (2) years from installation or 30 months from manufacture date. • **Batteries**: Rechargeable batteries in products are warranted for ninety (90) days from date of purchase. **Note**: Primary (non-rechargeable) batteries shipped in products are not warranted. **Products with Windows® Operating Systems**: During the warranty period, Leviton will restore corrupted operating systems to factory default at no charge, provided that the product has been used as originally intended. Installation of non-Leviton software or modification of the operating system voids this warranty. Leviton’s obligation under this Limited Warranty is limited to the repair or replacement, at Leviton’s option, of Product that fails due to defect in material or workmanship. Leviton reserves the right to replace product under this Limited Warranty with new or remanufactured product. **Leviton will not be responsible for labor costs of removal or reinstallation of Product**. The repaired or replaced product is then warranted under the terms of this Limited Warranty for the remainder of the Limited Warranty time period or ninety (90) days, whichever is longer. This Limited Warranty does not cover PC-based software products. **Leviton is not responsible for conditions or applications beyond Leviton’s control. Leviton is not responsible for issues related to improper installation, including failure to follow written Installation and operation instructions, normal wear and tear, catastrophe, fault or negligence of the user or other problems external to the Product**. To view complete warranty and instructions for returning product, please visit us at **www.leviton.com**.