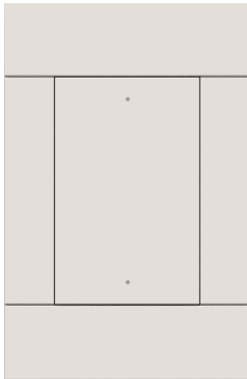


# HZ-DIMLVEX

Horizon™ In-Wall 0-10 V Dimmer with infiNET EX® Wireless Communication, 120 VAC



Faceplate Not Included

- 0-10 V dimming control
- Integrated switch to cut load power
- Single-gang U.S. wall box installation
- Requires neutral wire connection
- Gangable up to four across using Crestron® Horizon™ device compatible multi-gang faceplates (HZ-FP-G series, sold separately)
- Robust infiNET EX® wireless communication
- Preinstalled large rocker button
- Configurable with up to five field-replaceable buttons
- Custom backlit laser-etched engravable buttons
- Multicolor RGB LED backlighting
- Auto-dimming day/night backlight modes
- Local button for load control without programming
- Fully programmable via a Crestron control system
- Crestron Home™ OS 3 compatible

The HZ-DIMLVEX is a Horizon™ in-wall 0-10 V dimmer that controls ballasts and drivers. Its design matches the entire line of Horizon dimmers, switches, and keypads, making it a great addition to new or retrofit installations.

**NOTE:** Faceplates are not included. Refer to the [HZ-FP-G series](#) faceplates for more information.

## Integrated Keypad

Supporting up to five buttons, the HZ-DIMLVEX is configurable for a variety of applications. Because the dimmer is attached to the Crestron® network, it can function as a keypad to trigger remote actions.

## Multigang Expansion

Up to four devices may be installed side-by-side in a multigang electrical box with a compatible HZ-FP-G series faceplate.<sup>1</sup> All buttons in a multigang arrangement align to form one continuous control surface.

## infiNET EX Communications

infiNET EX wireless technology provides two-way RF communications throughout a residential or commercial structure without the need for physical control wiring. Each infiNET EX device acts as an expander by sending command signals to other infiNET EX devices in range (approximately 150 ft (46 m) indoors) to ensure reliability and stability.<sup>2</sup>

The HZ-DIMLVEX communicates with a control system via a CEN-GWEXER<sup>1</sup> or newer infiNET EX Wireless Gateway. Up to 100 infiNET EX devices may coexist on a wireless network.

## Field-Replaceable Button Caps

The preinstalled rocker button cap on the HZ-DIMLVEX is field replaceable, allowing for engravable multi-button configurations.

## Multicolor Backlit Button Engraving

Horizon button caps are laser engravable to identify each button's function. RGB LED backlights illuminate the engraved labels and can be adjusted for custom color backlighting. A built-in ambient light sensor enables auto-dimming of the backlight brightness according to day and night mode presets.

Each button's backlight provides feedback by changing color, intensity, or both. The backlight can also flash to show that an action is being performed.

## Customizable Faceplates

Horizon device faceplates (sold separately) are customizable for any décor. Color-matched top and bottom trim pieces may be swapped easily after installation with custom trim fabricated from solid materials such as wood, metal, marble, engineered stone, or Corian® solid surface. Contact a Crestron representative, or refer to Crestron True Blue Support Online Help [Answer ID: 1000140](#), to obtain specifications and CADs for the fabrication of custom trim. Paintable trim is also available separately.

**NOTE:** The faceplate trim is attached magnetically, which may inhibit use in locations where tampering may occur.

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## Specifications

### Load Requirements

<b>Load Type</b>	0-10 VDC Ballasts, LED Drivers
<b>Load Rating</b>	10A maximum; No minimum load
<b>Dim Control Output</b>	0-10 VDC 60 mA sink/source

### Power Requirements

120 VAC, 50/60 Hz;  
Requires neutral wire connection

### Controls

<b>Pushbutton</b>	(1) large rocker button preinstalled; Configurable with combinations of HZ-BTN-RKR1, HZ-BTN-RKR3, HZ-BTN-RKR5, or HZ-BTN-1 in blank or engraved models <sup>1</sup>
<b>Setup</b>	(1) Hidden pushbutton; Located behind faceplate's top trim piece; Configures the LED backlight and calibrates the light sensor
<b>Preset Fade Time</b>	1 second (default), software adjustable

### LED Indicator and Light Sensor

<b>Feedback</b>	(5) Color-adjustable LEDs; Provides button backlighting
<b>Light Sensor</b>	Photosensor with adjustable sensitivity; Detects the ambient room light level to activate day or night mode

**NOTE:** Light sensor performance may be affected by obstructions placed below the keypad.

### Wireless

<b>RF Transceiver</b>	infiNET EX® 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.5 MHz), default channel 15; IEEE 802.15.4 compliant
<b>Range (typical)</b>	150 ft (46 m) indoor, 250 ft (76 m) outdoor to nearest mesh network device(s); Subject to site-specific conditions and individual device capabilities <sup>2</sup>
<b>Gateway</b>	Requires a CEN-GWEXER or newer infiNET EX gateway <sup>1</sup>

### Connections

<b>Load</b>	(1) 14-12 AWG flying lead, black, load output (wire nut included)
<b>Line</b>	(1) 14-12 AWG flying lead, black, load power input (wire nut included)
<b>Neutral</b>	(1) 14-12 AWG flying lead, white, neutral (wire nut included)
<b>Switched Line</b>	(1) 14-12 AWG flying lead, red, remote (wire nut included)
<b>Ground</b>	(1) 14-12 AWG flying lead, green, ground (wire nut included)
<b>+</b>	(1) 14-12 AWG flying lead, purple (wire nut included)
<b>-</b>	(1) 14-12 AWG flying lead, gray (wire nut included)

### Environmental

<b>Temperature</b>	32° to 86° F (0° to 30° C)
<b>Humidity</b>	10% to 90% RH (noncondensing)

### Enclosure

<b>Mounting</b>	Mounts in a 1-gang U.S. electrical box or plaster ring (not included); 3.5 in. (26 mm) electrical box depth recommended; Gangable up to four units
<b>Faceplate</b>	Requires an HZ-FP-G Horizon faceplate with mounting bracket (sold separately)

### Dimensions

<b>Height</b>	4.13 in. (105 mm)
<b>Width</b>	1.80 in. (46 mm)
<b>Depth</b>	1.75 in. (45 mm) overall, extends 0.41 in. (11 mm) from wall surface when installed

### Weight

7.2 oz (204 g)

### Compliance

FCC, UL, IC

### Models

HZ-DIMLVEX-A  
HZ-DIMLVEX-B  
HZ-DIMLVEX-W

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## Available Accessories

### **HZ-FP-G1-A**

Faceplate for Horizon™ In-Wall Devices, 1-Gang, Almond

### **HZ-FP-G1-B**

Faceplate for Horizon™ In-Wall Devices, 1-Gang, Black

### **HZ-FP-G1-W**

Faceplate for Horizon™ In-Wall Devices, 1-Gang, White

### **HZ-FP-G2-A**

Faceplate for Horizon™ In-Wall Devices, 2-Gang, Almond

### **HZ-FP-G2-B**

Faceplate for Horizon™ In-Wall Devices, 2-Gang, Black

### **HZ-FP-G2-W**

Faceplate for Horizon™ In-Wall Devices, 2-Gang, White

### **HZ-FP-G3-A**

Faceplate for Horizon™ In-Wall Devices, 3-Gang, Almond

### **HZ-FP-G3-B**

Faceplate for Horizon™ In-Wall Devices, 3-Gang, Black

### **HZ-FP-G3-W**

Faceplate for Horizon™ In-Wall Devices, 3-Gang, White

### **HZ-FP-G4-A**

Faceplate for Horizon™ In-Wall Devices, 4-Gang, Almond

### **HZ-FP-G4-B**

Faceplate for Horizon™ In-Wall Devices, 4-Gang, Black

### **HZ-FP-G4-W**

Faceplate for Horizon™ In-Wall Devices, 4-Gang, White

### **HZ-BTN-1-A-T-BLANK**

Horizon Backlit Engravable Pushbutton, Size 1, Almond Textured, Engraving Not Included

### **HZ-BTN-1-B-T-BLANK**

Horizon Backlit Engravable Pushbutton, Size 1, Black Textured, Engraving Not Included

### **HZ-BTN-1-W-T-BLANK**

Horizon Backlit Engravable Pushbutton, Size 1, White Textured, Engraving Not Included

### **HZ-BTN-RKR1-A-T-BLANK**

Horizon Backlit Engravable Rocker Button, Size 1, Almond Textured, Engraving Not Included

### **HZ-BTN-RKR1-B-T-BLANK**

Horizon Backlit Engravable Rocker Button, Size 1, Black Textured, Engraving Not Included

### **HZ-BTN-RKR1-W-T-BLANK**

Horizon Backlit Engravable Rocker Button, Size 1, White Textured, Engraving Not Included

### **HZ-BTN-RKR3-B-T-BLANK**

Horizon Backlit Engravable Rocker Button, Size 3, Black Textured, Engraving Not Included

### **HZ-BTN-RKR3-W-T-BLANK**

Horizon Backlit Engravable Rocker Button, Size 3, White Textured, Engraving Not Included

### **HZ-BTN-RKR5-A-T-BLANK**

Horizon Backlit Engravable Rocker Button, Size 5, Almond Textured, Engraving Not Included

### **HZ-BTN-RKR5-B-T-BLANK**

Horizon Backlit Engravable Rocker Button, Size 5, Black Textured, Engraving Not Included

### **HZ-BTN-RKR5-W-T-BLANK**

Horizon Backlit Engravable Rocker Button, Size 5, White Textured, Engraving Not Included

### **HZA-KEY1-A**

Horizon Keystone, 1 Position, Almond

### **HZA-KEY1-B**

Horizon Keystone, 1 Position, Black

### **HZA-KEY1-W**

Horizon Keystone, 1 Position, White

### **HZA-KEY2-A**

Horizon Keystone, 2 Position, Almond

### **HZA-KEY2-B**

Horizon Keystone, 2 Position, Black

### **HZA-KEY2-W**

Horizon Keystone, 2 Position, White

### **HZA-KEY4-A**

Horizon Keystone, 4 Position, Almond

### **HZA-KEY4-B**

Horizon Keystone, 4 Position, Black

### **HZA-KEY4-W**

Horizon Keystone, 4 Position, White

### **HZA-PWR-15A-A**

Duplex Receptacle, 15 A, Almond

### **HZA-PWR-15A-W**

Duplex Receptacle, 15 A, White

### **HZA-PWR-GFCI-15A-A**

Duplex Receptacle, GFCI, 15 A, Almond

### **HZA-PWR-GFCI-15A-W**

Duplex Receptacle, GFCI, 15 A, White

### **HZA-PWR-USB-15A-A**

Duplex Receptacle, Dual Type-A USB Ports, 15 A, Almond

### **HZA-PWR-USB-15A-W**

Duplex Receptacle, Dual Type-A USB Ports, 15 A, White

### **HZ-TRIM-G1-PAINT-DARK**

Paintable Trim for HZ-FP-G1 Faceplate, Dark

### **HZ-TRIM-G1-PAINT-LIGHT**

Paintable Trim for HZ-FP-G1 Faceplate, Light

### **HZ-TRIM-G2-PAINT-DARK**

Paintable Trim for HZ-FP-G2 Faceplate, Dark

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### **HZ-TRIM-G2-PAINT-LIGHT**

Paintable Trim for HZ-FP-G2 Faceplate, Light

### **HZ-TRIM-G3-PAINT-DARK**

Paintable Trim for HZ-FP-G3 Faceplate, Dark

### **HZ-TRIM-G3-PAINT-LIGHT**

Paintable Trim for HZ-FP-G3 Faceplate, Light

### **HZ-TRIM-G4-PAINT-DARK**

Paintable Trim for HZ-FP-G4 Faceplate, Dark

### **HZ-TRIM-G4-PAINT-LIGHT**

Paintable Trim for HZ-FP-G4 Faceplate, Light

#### Notes:

1. Item(s) sold separately.
2. Any infiNET EX device that provides expander functionality will effectively extend the range of the wireless network beyond the initial range of the gateway. Battery-powered infiNET EX devices do not provide expander functionality. A dedicated infiNET EX Wireless Expander, model CLW-EXPEX, is also available.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/How-To-Buy/Find-a-Representative](http://www.crestron.com/How-To-Buy/Find-a-Representative) or by calling 855-263-8754.

The product warranty can be found at [www.crestron.com/warranty](http://www.crestron.com/warranty).

The specific patents that cover Crestron products are listed at [patents.crestron.com](http://patents.crestron.com).

Certain Crestron products contain open source software. For specific information, visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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## infiNET EX

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