



Faceplate Not Included

- Can act as a multiway controller for a connected dimmer or switch (HZ-DIMEX, HZ-DIMUEX, and HZ-SWEX)
- Capable of being powered by either 120 VAC line voltage or 60 VDC low voltage³
- Line based multiway control for reliability across all load types
- 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
- 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-KPEX is a Horizon™ in-wall keypad that features field-replaceable and engravable LED backlit buttons. 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.

Multiway Dimming and Switching

Similar to traditional three- or four-way circuits, the HZ-KPEX lets you control the lights from multiple locations using the traveler wire.¹ Up to four devices can be connected to a single dimmer or switch. The HZ-KPEX provides local LED feedback for the status of the load connected to the master load controller along with backlit, engravable button caps to mimic the familiar feel of other Horizon products. The multiway

controller provides instant usability upon installation without the need for programming.

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.² 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.¹

The HZ-KPEX communicates with a control system via a CEN-GWEXER² or newer infiNET EX Wireless Gateway. Up to 100 infiNET EX devices may coexist on a wireless network.

Field-Replaceable Button Caps

The preinstalled five button caps on the HZ-KPEX are field replaceable, allowing for various engravable button configurations.

Multicolor Backlit Button Engraving

Horizon keypad buttons 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.

HZ-KPEX

Horizon™ In-Wall Keypad with infiNET EX® Wireless Communication, 120 VAC

Specifications

Power Requirements

Line Power	120 VAC, 50/60 Hz, 30 mA; Requires neutral wire connection
DC Power	60 VDC, 30 mA ³

Controls

Pushbutton	(5) blank single pushbuttons; Configurable with combinations of HZ-BTN-RKR1, HZ-BTN-RKR3, HZ-BTN-RKR5, or HZ-BTN-1 in blank or engraved models ²
Airgap	(1) switch at the bottom of the device; Controls power to the device and connected loads
Setup	(1) Hidden pushbutton; Located behind faceplate's top trim piece; Configures the LED backlight and calibrates the light sensor

LED Indicator and Light Sensor

Feedback	(5) Color-adjustable LEDs; Provides button backlighting
Light Sensor	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

RF Transceiver	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
Range (typical)	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 ¹
Gateway	Requires a CEN-GWEXER or newer infiNET EX gateway ²

Connections

Line	(1) 14-12 AWG, screw terminal, brass, line power input
Neutral	(1) 14-12 AWG, screw terminal, silver, neutral
Remote	(1) 14-12 AWG, screw terminal, blue, remote
Ground	(1) 14-12 AWG Class 1 flying lead, green, ground (wire nut included)

Environmental

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

Enclosure

Mounting	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
Faceplate	Requires an HZ-FP-G Horizon faceplate with mounting bracket (sold separately)

Dimensions

Height	4.38 in. (112 mm)
Width	1.80 in. (46 mm)
Depth	1.75 in. (45 mm) overall, extends 0.41 in. (11 mm) from wall surface when installed

Weight

6.6 oz (187 g)

Compliance

FCC, UL, IC

Models

HZ-KPEX-A

HZ-KPEX-B

HZ-KPEX-W

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

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. The HZ-KPEX cannot be used to control a load directly. It must be used in conjunction with a HZ-DIMEX, HZ-DIMUEX, or HZ-SWEX.
2. Item(s) sold separately.
3. Requires a SolaHD® SDP™ 1-48-100T power supply.

HZ-KPEX

Horizon™ In-Wall Keypad with infiNET EX® Wireless Communication, 120 VAC

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 or by calling 855-263-8754.

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed at patents.crestron.com.

Certain Crestron products contain open source software. For specific information, visit www.crestron.com/opensource.

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Rev 07/21/20

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