

CM2-KPFCN

Cameo® 2 Flush Keypad with Cresnet® Communications



Shown in White Textured, Custom Engraved

- Ships with an ultra-thin, small-footprint faceplate
- Install directly into drywall, a standard US backbox (using the [MMK-CM2-KPFCN](#), sold separately), or into the [BB-CM2-KPFCN](#) backbox (sold separately)
- Full color RGB LED backlight and indicators for engraved buttons
- Backlight and indicators capable of dynamically adjusting white between 2000K and 8000K
- Optionally engraved and separately backlit indicators available in two different aesthetics allowing a customized look and user experience
- Ambient light sensor for auto-dimming backlight with separate day and night modes
- Fully programmable via a Crestron control system
- Crestron Home® OS compatible
- Dual Cresnet® ports for easy daisy-chaining
- Two control input ports for external sensors, including 10K NTC temperature sensors.
- Available in four different color options
- Preinstalled with six buttons with default engraving or can be configured with one of up to 136 different button configurations with custom engraving
- Individually field replaceable buttons available to accommodate changes in device function or engravings
- Blank buttons available for engraving by a third-party¹

The [CM2-KPFCN](#) Cameo® 2 flush keypad provides Cresnet® network control of lighting, shading, audio, and other amenities. Its design matches the entire line of Cameo 2 dimmers, switches, and keypads, making it a great addition to new installations.

- CM2-KPFCN-W-T ships in White Textured with six preinstalled buttons with default engraving.

- CM2-KPFCN ENGRAVED can be configured with one of up to 136 different button configurations with custom engraving.

ENGRAVED models are available in the following finishes (specified in the custom engravings file):

- W-T: White Textured
- B-T: Black Textured
- A-T: Almond Textured
- G-T: Gray Textured

Integrated Keypad

The CM2-KPFCN supports two to six buttons, with small, medium, and large button options. The bottom four buttons can function as side-to-side rockers via programming. When connected to a Crestron control processor, the keypad can trigger remote actions.

Button Engraving

Functions of each button can be identified with custom, laser-etched engraving. Engraving is included with ENGRAVED models.

When a custom engraved model is ordered, the engraved buttons are installed on the device before it is shipped. Engraving files must be provided when ordering and can be created using Impress Custom Engraving Software, the Crestron Home® Setup app, or the Crestron Home Online Configurator. If necessary, custom engraving can be changed until the order is processed by emailing orders@crestron.com with the updated engraving file and order information.

To order replacement engravings, refer to the [CM2-BTNS ENGRAVED](#) buttons product page.¹

NOTE: Buttons without engraving (BLANK models) are also available and can be used as is or can be custom engraved by a third-party engraver.¹

Multicolor Backlit Buttons and Indicators

Full keypad models have buttons with separately backlit custom engravings and indicators. Indicators are optional per button and can be engraved in a line or dot aesthetic. Custom engravings and indicators are illuminated using the device's RGB LED backlights. Each button and indicator can be assigned custom color backlighting.

Feedback can be provided through indicators, custom engravings, or both. Feedback can be performed by turning on or off, changing intensity, changing color, or flashing to show that an action is being performed. Backlighting and feedback colors can be adjusted using Crestron Home software or other Crestron programming tools.

Local color theme sets the colors for custom engravings and indicators on the device. Each backlit area can also be assigned an alternate color theme. Thirteen local color themes are available that include Tunable White (default is Warm White), Neutral White, Cool White, Dim to Warm, Circadian (through Crestron Home), and a variety of common and custom colors. The local and alternate color themes can be changed programmatically.

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Field-Replaceable Buttons

Field-replaceable buttons allow for changes in device function or for the customer to use the system before finalizing the engravings. The buttons can be individually replaced with custom engraved or blank CM2-BTNS buttons.¹

Ambient Light Sensor

To ensure optimal visibility under varying lighting conditions, the button backlighting and indicator intensity adjusts automatically according to the amount of ambient light in the room.

Built-In Control Ports

Two digital/analog input ports are included on the keypad to provide a local interface for Crestron occupancy sensors, daylight sensors, and other devices that provide a contact closure, DC logic, or 0–10VDC. Using the control ports, it is possible to add room occupancy, ambient light level, door closures, and other conditional monitoring without additional wiring. These ports can also be used to read temperature from one 10K NTC temperature sensor per port.

Wall Mounting Options

The CM2-KPFCN has integrated spring clips that allow installation directly into a drywall cutout that can be made with a shipwith template. The [MMK-CM2-KPFCN](#) mud mounting kit (sold separately) can be used over the cutout for reinforcement or to ensure a proper size. The CM2-KPFCN can also install directly into some standard single gang metal boxes using the integrated spring clips. If the backbox is too large or the cutout around the backbox is oversized, the [MMK-CM2-KPFCN](#) mud mounting kit (sold separately) can be used with the backbox. For masonry installs, use the [BB-CM2-KPFCN](#) backbox (sold separately).

Cresnet Wired Communications

The keypad communicates with a Crestron control system via Cresnet, a 4-wire network bus that provides bidirectional data communication and 24VDC power to each keypad in the system. To simplify wiring in a multigang arrangement, the keypad includes dual parallel Cresnet ports for daisy-chaining.

Specifications

Power Requirements

Cresnet Power Usage	2 W (83mA@24VDC)
Overvoltage Category	I

Controls

Buttons	2 to 6 buttons programmable via control system; The bottom 4 buttons can be programmed to be side to side rockers.
Button Events	Programmable for Normal, Tap, Double-Tap, and Press and Hold

Button Caps

Standard engraved models include 6 small buttons; ENGRAVED models include custom engraving on small, medium, or large button types in any available combination.¹

LED Indicator

Feedback (6) RGB backlit text regions and 6 RGB indicator regions

Communications

Cresnet Cresnet client mode

Connections

INPUT (1 2 G)	(1) 4-pin 3.5 mm detachable terminal block; (2) digital/analog input ports; (1) ground; (1) NC Digital Input: Rated for 0–24VDC, input impedance 200k Ω , logic threshold 1.24VDC; Analog Input: Rated for 0–10VDC, protected to 24VDC maximum, input impedance 200k Ω ; Programmable 3.3V, 2k Ω pull-up resistor per input; Capable of reading a 10K NTC temperature sensor on each port
NET (24 Y Z G)	(2) 4 pin 3.5 mm detachable terminal blocks, paralleled; Cresnet secondary port with hardwire parallel pass through

Environmental

Temperature	32° to 86°F (0 °to 30°C)
Humidity	10% to 95% RH (noncondensing)
Pollution Degree	2

Construction

Mounting	Directly into drywall cutout (using shipwith template); Into drywall cutout with MMK-CM2-KPFCN (sold separately); Directly into most metal US single gang backboxes; Into US single gang backbox with MMK-CM2-KPFCN (sold separately); Into masonry with BB-CM2-KPFCN backbox (sold separately)
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Dimensions

Height	3.56 in. (90 mm)
Width	2.33 in. (59 mm)
Depth	1.33 in. (34 mm)

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Compliance

Regulatory Model: M202314003

FCC Part 15 Class B, IC Class B, CE, Intertek® Listed for US and Canada

Models

CM2-KPFCN ENGRAVED

Cameo® 2 Flush Keypad with Cresnet® Communications, Full Keypad, Custom Engraved

CM2-KPFCN-W-T

Cameo® 2 Flush Keypad with Cresnet® Communications, Full Keypad, Standard Engraved, White Textured

Available Accessories

For a list of available accessories, visit the [CM2-KPFCN](#) product page.

Note:

1. The CM2-KPFCN does not utilize -TOP buttons. Use other [CM2-BTNs](#), even in the top position.

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 contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The original language version of this document is U.S. English. All other languages are a translation of the original document.

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

The specific patents that cover Crestron products are listed online at www.crestron.com/legal/patents.

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

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