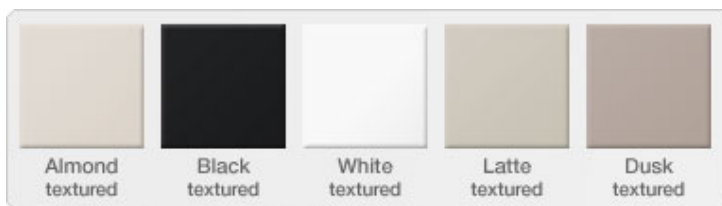


# C2N-CBF-P

## Cameo® Keypad, Flush Mount



- Stylish and versatile wall-mount keypad
- Slim, inconspicuous flush mount appearance
- 5 color-matched textured finishes available
- Versatile combinations of 2 to 8 pushbuttons
- Installer-configurable with choice of 4 button sizes
- Split buttons for up/down and on/off functions
- Button events enable tap, double-tap, and hold functionality
- Customizable backlit button engraving
- White LED feedback indicators
- Built-in LED flashing and bargraph logic
- Auto-dimmable backlight and LED intensity
- Ambient light sensor
- Dual digital/analog input ports for external sensors
- Quick and easy installation
- Cresnet® wired communications



Due to differences in monitors, actual colors may vary from colors as they appear onscreen.

The Cameo® Flush Mount Keypad (C2N-CBF-P) from Crestron® presents a fresh, innovative concept in keypad design, featuring a unique flush mount form factor. As part of a complete Crestron control system, the C2N-CBF-P delivers a truly advanced custom keypad control solution with an incredibly small footprint and slim profile.

### Customizable Buttons

Simple yet highly customizable, a single Cameo Keypad can be configured easily by the installer to provide from two to eight

buttons. Each keypad is furnished with an assortment of button caps in four different sizes to support a variety of physical layouts. Button caps may also be ordered with custom backlit laser engraving<sup>1</sup> to clearly designate each button's function.

Through programming, each button can be configured for up to three separate functions. In addition, shift key functionality is possible, allowing any button to be held while pressing another to provide further customization for the keypad.

### Auto-dimming Backlight

High-quality backlit laser engraving<sup>1</sup> provides customizable button text that's easy to read under any lighting condition. A built-in light sensor controls the backlight intensity automatically to achieve crisp, legible text in both darkened and fully lit rooms.

### Enhanced LED Feedback

Six pinhead-sized white LEDs provide fully customizable feedback to show the status of each button. Ten flash patterns are built in, enabling flashing LED feedback with simplified programming and reduced traffic on the Cresnet® network. Onboard bar graph logic allows the feedback LEDs to function as a 6-segment bar graph display, providing clear level indication when adjusting lighting and audio settings. Auto-dimming LED intensity ensures optimal visibility under varying lighting conditions.

### Ambient Light Sensor

In addition to controlling the backlight and LED intensity, the built-in light sensor can also be utilized by the control system to support basic daylight harvesting and other programmatic functions.

### Control Ports

Two digital/analog input ports onboard the C2N-CBF-P provide a local interface for a range of devices including the Crestron GLS Series Occupancy Sensors and Photosensors or any device providing a contact closure, DC logic, or 0-10 VDC. Using the

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control ports, it's possible to add monitoring of room occupancy, ambient light level, door closures, and other conditions without having to home run extra wiring to the central equipment location.

### Cresnet® Wired Communications

The Cresnet bus is the communications backbone for many Crestron keypads, lighting controllers, shade motors, sensors, and other devices. Cresnet is a simple, yet flexible 4-wire network that provides bidirectional communication and 24 VDC power for Cresnet devices. Cresnet supports up to 252 keypads and other devices.

### Cameo Flush Mount

Its unique flush mount design affords Cameo a very discreet appearance occupying just one-third the space of a conventional keypad. Employing a smart spring clamp mounting system, the C2N-CBF-P installs easily in a drywall cutout without requiring a backbox. An optional mud ring mounting kit ([MMK-G1-CBF-T<sup>1</sup>](#)) is available to ensure a clean installation in plaster and drywall, and can also be used to retrofit the keypad into an existing 1-gang wall box<sup>1</sup>. Available in a selection of five textured finishes, Cameo Flush Mount Keypads blend perfectly with any decor.

## Specifications

### Buttons

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<b>Keypad Buttons</b>	Configurable for 2 to 8 single-action pushbuttons
<b>Button Events</b>	Programmable for Normal, Tap, Double-Tap, and Press and Hold
<b>Button Caps</b>	Includes (2) large, (3) medium, (5) small, and (2 pair) split small button caps; <sup>2</sup> All button caps are blank; Custom-engraved, backlit button caps are available separately
<b>Backlight</b>	White LED backlight for button engraving; Software-adjustable intensity, auto-dimmable

### LED Indicators

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<b>Feedback</b>	(6) White LEDs, one per each of 6 small button positions; Programmable, auto-dimmable, software-adjustable intensity, 10 flashing patterns
<b>Bar Graph</b>	(1) 6-segment bar graph display utilizing the 6 feedback LEDs

### Light Sensor

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Photosensor for control of auto-dimming function;  
Can be configured to report ambient light level to control system

### Connectors

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<b>NET</b>	4-pin 3.5mm detachable terminal block; Cresnet slave port, connects to Cresnet control network
<b>INPUT 1-2</b>	(1) 3-pin 3.5mm detachable terminal block comprising (2) digital/analog input ports (referenced to GND); Digital Input: Rated for 0-24 VDC, input impedance 200k Ohms, logic threshold 1.24 VDC; Analog Input: Rated for 0-10 VDC, protected to 24 VDC maximum, input impedance 200k Ohms; Programmable 5 V, 2k Ohms pull-up resistor per pin

### Power Requirements

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Cresnet Power Usage	1 W (0.05 A @ 24 VDC)
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### Environmental

<b>Temperature</b>	32° to 113° F (0° to 45° C)
<b>Humidity</b>	10% to 90% RH (non-condensing)
<b>Heat Dissipation</b>	3.4 BTU/Hr

### Construction

<b>Chassis</b>	Plastic
<b>Mounting</b>	Mounts in a drywall cutout using integral spring-clamp, optional mud ring or 1-gang adapter <sup>1,3</sup>
<b>Faceplates</b>	Requires a decorator-style faceplate <sup>1</sup>

### Dimensions

<b>Height</b>	3.21 in. (82 mm)
<b>Width</b>	1.76 in. (45 mm)
<b>Depth</b>	1.19 in. (31 mm) without connector

### Weight

2.7 oz (75 g)

### Models

#### C2N-CBF-P-A-T

Cameo® Keypad, Flush Mount, Almond Textured

#### C2N-CBF-P-B-T

Cameo® Keypad, Flush Mount, Black Textured

#### C2N-CBF-P-DSK-T

Cameo® Keypad, Flush Mount, Dusk Textured

#### C2N-CBF-P-LAT-T

Cameo® Keypad, Flush Mount, Latte Textured

#### C2N-CBF-P-W-T

Cameo® Keypad, Flush Mount, White Textured

### Available Accessories

#### CB2-BTNA-T\_ENGRAVED

Large Backlit Engravable Button Cap for Cameo Keypads, Almond Textured, Includes Custom Engraving

#### CB2-BTNB-T\_ENGRAVED

Large Backlit Engravable Button Cap for Cameo Keypads, Black Textured, Includes Custom Engraving

#### CB2-BTNSK-T\_ENGRAVED

Large Backlit Engravable Button Cap for Cameo Keypads, Dusk Textured, Includes Custom Engraving

#### CB2-BTNLAT-T\_ENGRAVED

Large Backlit Engravable Button Cap for Cameo Keypads, Latte Textured, Includes Custom Engraving

#### CB2-BTNW-T\_ENGRAVED

Large Backlit Engravable Button Cap for Cameo Keypads, White Textured, Includes Custom Engraving

#### CB3-BTNA-T\_ENGRAVED

Medium Backlit Engravable Button Cap for Cameo Keypads, Almond Textured, Includes Custom Engraving

#### CB3-BTNB-T\_ENGRAVED

Medium Backlit Engravable Button Cap for Cameo Keypads, Black Textured, Includes Custom Engraving

#### CB3-BTNSK-T\_ENGRAVED

Medium Backlit Engravable Button Cap for Cameo Keypads, Dusk Textured, Includes Custom Engraving

#### CB3-BTNW-T\_ENGRAVED

Medium Backlit Engravable Button Cap for Cameo Keypads, White Textured, Includes Custom Engraving

#### CB6-BTNA-T\_ENGRAVED

Small Backlit Engravable Button Cap for Cameo Keypads, Almond Textured, Includes Custom Engraving

#### CB6-BTNB-S\_ENGRAVED

Small Backlit Engravable Button Cap for Cameo Keypads, Black Smooth, Includes Custom Engraving

#### CB6-BTNB-T\_ENGRAVED

Small Backlit Engravable Button Cap for Cameo Keypads, Black Textured, Includes Custom Engraving

#### CB6-BTNSK-T\_ENGRAVED

Small Backlit Engravable Button Cap for Cameo Keypads, Dusk Textured, Includes Custom Engraving

#### CB6-BTNLAT-T\_ENGRAVED

Small Backlit Engravable Button Cap for Cameo Keypads, Latte Textured, Includes Custom Engraving

#### CB6-BTNW-T\_ENGRAVED

Small Backlit Engravable Button Cap for Cameo Keypads, White Textured, Includes Custom Engraving

#### CB6S-BTNA-T\_ENGRAVED

Split Small Backlit Engravable Button Cap Pair for Cameo Keypads, Almond Textured, Includes Custom Engraving

#### CB6S-BTNB-T\_ENGRAVED

Split Small Backlit Engravable Button Cap Pair for Cameo Keypads, Black Textured, Includes Custom Engraving

#### CB6S-BTNSK-T\_ENGRAVED

Split Small Backlit Engravable Button Cap Pair for Cameo Keypads, Dusk Textured, Includes Custom Engraving

#### CB6S-BTNLAT-T\_ENGRAVED

Split Small Backlit Engravable Button Cap Pair for Cameo Keypads, Latte Textured, Includes Custom Engraving

#### CB6S-BTNW-T\_ENGRAVED

Split Small Backlit Engravable Button Cap Pair for Cameo Keypads, White Textured, Includes Custom Engraving

#### CCR-L-1

Crestron® Color Ring

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### **CRESNET-HP-NP-TL-SP1000**

Cresnet® "High-Power" Control Cable, Non-Plenum, Teal, 1000 ft (304 m) spool

### **CRESNET-NP-TL-SP1000**

Cresnet® Control Cable, Non-Plenum, Teal, 1000 ft (304 m) spool

### **FP-G1-A-T**

Decorator Style Faceplate, 1-Gang, Almond Textured

### **FP-G1-B-T**

Decorator Style Faceplate, 1-Gang, Black Textured

### **FP-G1-DSK-T**

Decorator Style Faceplate, 1-Gang, Dusk Textured

### **FP-G1-LAT-T**

Decorator Style Faceplate, 1-Gang, Latte Textured

### **FP-G1-W-T**

Decorator Style Faceplate, 1-Gang, White Textured

#### Notes:

1. Item(s) sold separately.
2. Split small buttons may be installed in the bottom two positions only.
3. Installation in a 1-gang electrical box using the MMK-G1-CBF-T Mud Ring requires application of drywall compound to cover gaps around the keypad faceplate.

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.

This product is covered under the Crestron standard limited warranty. Refer to [www.crestron.com/warranty](http://www.crestron.com/warranty) for full details.

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

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

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