Cameo® Keypad, Flush Mount

> Stylish and versatile wall mount keypad

> Slim, inconspicuous flush mount appearance

> 5 color-matched textured finishes available

> Ascent® solid metal faceplates available separately[2]

> Versatile combinations of 2 to 8 pushbuttons

> Installer-configurable with choice of 4 button sizes

> "Split" buttons for "up/down" and "on/off" functions[5]

> "Button Events" enable tap, double-tap, and hold functionality

> Customizable backlit button engraving[1]

> White LED feedback indicators

> Built-in LED blinking 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

> EMerge Alliance® compatible

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 that is at once inviting to the touch and appealing to the eye. 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

Exquisitely 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 actually 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 to clearly designate each button's function.[1]

Through programming, each button can be configured to use "button events," affording up to three separate functions per button by tapping, double-tapping, or holding the button. "Shift key" functionality is even possible, allowing any button to be held while pressing another.

Auto-dimming Backlight

High-quality backlit laser-engraving[1] 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 a crisp, legible appearance in both darkened and fully lit rooms.

Enhanced LED Feedback

Six pinhead-sized white LEDs afford fully customizable feedback to show the status of each button. Ten blink patterns are built in, enabling blinking LED feedback with simplified programming and reduced traffic on the Cresnet® network. Onboard bargraph logic allows the feedback LEDs to function as a 6-segment bargraph display, providing clear level indication

while 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.
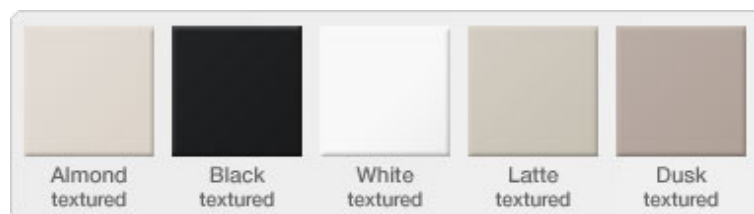
Control Ports

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

Reliable wired connectivity is afforded via the Cresnet network, utilizing a simple 4-conductor interface carrying 24 Volt DC power and bidirectional communications between the Cameo keypad and Crestron control system. 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

Actual colors may vary.

kit (MMK-G1-CBF-T[2]) 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[3]. Available in a selection of five "Textured" finishes, Cameo Flush Mount Keypads blend perfectly with any decor.

Ascent® Metal Faceplates

For the ultimate in style and elegance, Crestron offers the Ascent collection of solid metal faceplates (CBF-FP-ASCENT[2]), providing Cameo keypads with a contemporary appearance in a range of luxurious designer finishes.

EMerge Alliance® Registered

This device is EMerge Alliance registered and designed to work within a 24VDC room-level power distribution system. The EMerge Alliance is a not-for-profit open industry association leading the rapid adoption of safe DC power distribution in commercial buildings through the development of EMerge Alliance standards[4]. Crestron is a proud member and supporter of the Alliance. For more information about Crestron Solutions for EMerge Alliance Applications visit: www.crestron.com/emerge.

SPECIFICATIONS

Buttons

Keypad Buttons: Configurable for 2 to 8 single-action pushbuttons
Button Events: Programmable for Normal, Tap, Double-Tap, and Hold
Button Caps: Includes (2) large, (3) medium, (5) small, and (2 pair) split small button caps[5]. All button caps are blank. Custom backlit engraved button caps are available separately.
Engraving: Custom backlit engraved button caps available separately
Backlight: White LED backlight for button engraving, software-adjustable intensity, auto-dimmable

LED Indicators

Feedback: (6) White LEDs, one per each of 6 small button positions; Programmable, auto-dimmable, software-adjustable intensity, 10 blinking patterns
Bargraph: (1) 6-segment bargraph display utilizing the 6 feedback LEDs

Light Sensor

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

Connectors

NET: 4-pin 3.5mm detachable terminal block;
Cresnet slave port, connects to Cresnet control network

INPUT 1 – 2: (1) 3-pin 3.5mm detachable terminal block comprising (2) digital/analog input ports (referenced to GND);
Digital Input: Rated for 0-24 Volts DC, input impedance 200k Ohms, logic threshold 1.24 Volts DC;
Analog Input: Rated for 0-10 Volts DC, protected to 24 Volts DC maximum, input impedance 200k Ohms;
Programmable 5 Volts, 2k Ohms pull-up resistor per pin

Power Requirements

Cresnet Power Usage: 1 Watt (0.05 Amps @ 24 Volts DC)

Environmental

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

Construction

Chassis: Plastic
Mounting: Mounts in a drywall cutout using integral spring-clamp, optional mud ring or 1-gang adapter[3] sold separately
Faceplates: Plastic bezel included, optional Crestron CBF-FP-ASCENT series faceplate sold separately

Dimensions

Height: 3.21 in (82 mm)
Width: 1.76 in (45 mm)
Depth: 1.19 in (31 mm) without connector

Weight

2.7 oz (75 g)

MODELS & ACCESSORIES

Available 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-BTN: Large Backlit Engravable Button Cap for Cameo Keypads, [Specify Color]
CB3-BTN: Medium Backlit Engravable Button Cap for Cameo Keypads, [Specify Color]
CB6-BTN: Small Backlit Engravable Button Cap for Cameo Keypads, [Specify Color]
CB6S-BTN: Split Small Backlit Engravable Button Cap Pair for Cameo Keypads, [Specify Color]
CBF-FP-ASCENT: Ascent® Solid Metal Faceplate for Cameo® Keypad, Flush Mount [specify button layout and finish]
MMK-G1-CBF-T: Mud Ring Mount Kit for Cameo® Flush Mount Keypads
CRESNET-HP-NP: Cresnet® "High-Power" Control Cable, non-plenum
CRESNET-NP: Cresnet® Control Cable, non-plenum
CRESNET-P: Cresnet® Control Cable, plenum
CCR-L-1: Crestron® Color Ring
CCR-FP-ASCENT-1: Ascent® Color Ring

Notes:

1. Custom engraving sold separately.
2. Item(s) sold separately.
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.
4. Information regarding the EMerge Alliance can be found at www.emergealliance.org
5. Split small buttons may be installed in the bottom two positions only.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

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

Crestron Electronics, Inc. 15 Volvo Drive │ Rockleigh, NJ 07647

Tel: 800.237.2041 / 201.767.3400 │ Fax: 201.767.1903

www.crestron.com

All brand names, product names and trademarks are the property of their respective owners.

©2013 Crestron Electronics, Inc.

Specifications subject to change without notice. Revised 07/03/13