

# C2N-LCDB3

## Multi-Purpose LCD Keypad

- > LCD keypad with lighting, shades, climate, and media control capabilities
- > Three pushbuttons for programmable events and six hard keys for controlling connected technologies
- > LCD display with 16-bit high color and white LED backlights
- > Internal temperature sensor
- > Input for CHV-RTS remote temperature sensor<sup>[2]</sup>
- > Cresnet<sup>®</sup> wired communications
- > Wall-mounting to 1-gang UK electrical box

The Crestron<sup>®</sup> C2N-LCDB3 Multi-Purpose LCD Keypad combines lighting, shades, climate, and media controls on one elegant, compact keypad. Use one of the three convenient pushbuttons to recall preprogrammed scenes, complete with ambient lighting, open or closed shades, and streaming music. Touch the capacitive hard keys located on the keypad's screen to scroll through the four main screen pages. Make lighting adjustments to specific rooms or fixtures on the lighting page. Use the shades page to raise, lower, open, or close the Crestron shading solutions in the room. View the current room temperature on the climate page and touch the screen's hard keys to raise or lower the room's temperature, turn the HVAC system's fan on and off, and switch between heating and cooling modes.<sup>[1]</sup> The media page displays the music track that is currently streaming. From here, the user can switch between media sources, control the playlist, and adjust the volume. The Multi-Purpose LCD Keypad gives users control over Crestron technologies within their home – all in a single, elegant, easy-to-install keypad!

### Accurate Temperature Sensing

A correct reading of the room's temperature is essential for accurate climate control. The C2N-LCDB3 provides accurate temperature sensing with an internal temperature sensor. Furthermore, it has a connection for a CHV-RTS remote temperature sensor,<sup>[2]</sup> ensuring truly precise readings.

### Cresnet<sup>®</sup>

The C2N-LCDB3 uses the dependable Cresnet wired network for communication between devices. Cresnet provides a simple solution for configuring and wiring keypads and sensors as part of any complete Crestron system. Cresnet is the communications backbone for Crestron lighting dimmers, keypads, shades, thermostats, and many other devices. This flexible 4-wire bus provides data communications and 24 Volts DC power for all of the devices on the Cresnet network.

### Simple, Versatile Mounting

This LCD keypad installs easily into drywall and other surfaces via a 1-gang UK electrical box. When installed, the keypad protrudes less than half an inch from the mounting surface. The C2N-LCDB3 magnetically adheres to the mounting bracket, eliminating any visible screws and ensuring an ultra-clean appearance.



## SPECIFICATIONS

### LCD Display

**Display Type:** 16-bit TFT active matrix color LCD  
**Size:** 2.00 in (50 mm) diagonal  
**Resolution:** 220 x 176 pixels  
**Illumination:** White LED backlit

Displays controls for lighting, climate, shades, and media on each of four main screen pages

### Controls & Indicators

#### Hard Keys

(6) Individually-backlit projected capacitive pushbuttons, programmable, pre-labeled with glyphs

#### Buttons

**Keypad Buttons:** (3) Single-action pushbuttons  
**Button Events:** Programmable for Normal, Tap, Double-Tap, and Press and Hold  
**Button Caps:** (3) Gray, textured plastic button caps; All button caps are blank; Custom-engraved button caps are available separately  
**Backlight:** (3) White LEDs, one to backlight each engraved button; Software-adjustable intensity, auto-dimmable

### Temperature Sensor

**Measurement Range:** -40° to 100° F (-40° to 38° C)  
**Temperature Tolerance:** 0.5° F (-18° C)

# C2N-LCDB3 Multi-Purpose LCD Keypad

## Connections

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**USB:** (1) Micro Type B female;  
USB computer console port, for installer use only  
**NET:** (1) 4-pin 3.5 mm detachable terminal block;  
Cresnet® slave port, connects to Cresnet control network  
**R, G:** (1) 2-pin 3.5 mm detachable terminal block;  
CHV-RTS remote temperature sensor input<sup>[2]</sup>

## Power Requirements

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**Current Consumption:** 60 mA  
**Cresnet Power Usage:** 1.5 Watts

## Environmental

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**Temperature:** 32° to 104° F (0° to 40° C)  
**Humidity:** 10% to 90% RH (non-condensing)  
**Heat Dissipation:** 1.5 Watts

## Construction

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**Housing:** Plastic  
**Mounting:** Mounts to a 1-gang UK (BS 4662) electrical box

## Dimensions

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**Height:** 3.42 in (87 mm)  
**Width:** 3.42 in (87 mm)  
**Depth:** 0.67 in (17 mm)

## Weight

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3.2 oz (91 g)

## MODELS & ACCESSORIES

### Available Models

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**C2N-LCDB3:** Multi-Purpose LCD Keypad

### Available Accessories

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**CHV-RTS:** Remote Temperature Sensor  
**LCDB3-BTN\_BLANK:** Engravable Button Cap for C2N-LCDB3, Engraving Not Included  
**LCDB3-BTN\_ENGRAVED:** Engravable Button Cap for C2N-LCDB3, Includes Custom Engraving  
**CRESNET-NP-BK-B500:** Cresnet® Control Cable, Non-Plenum, Black, 500 ft (152 m) box  
**CRESNET-NP-OR-B500:** Cresnet® Control Cable, Non-Plenum, Orange, 500 ft (152 m) box  
**CRESNET-NP-TL-B500:** Cresnet® Control Cable, Non-Plenum, Teal, 500 ft (152 m) box  
**CRESNET-NP-TL-SP1000:** Cresnet® Control Cable, Non-Plenum, Teal, 1,000 ft (304 m) spool  
**CRESNET-NP-TL-SP500:** Cresnet® Control Cable, Non-Plenum, Teal, 500 ft (152 m) spool

**CRESNET-P-BK-SP500:** Cresnet® Control Cable, Plenum-Rated, Black, 500 ft (152 m) spool  
**CRESNET-P-OR-SP500:** Cresnet® Control Cable, Plenum-Rated, Orange, 500 ft (152 m) spool  
**CRESNET-P-TL-SP1000:** Cresnet® Control Cable, Plenum-Rated, Teal, 1,000 ft (304 m) spool  
**CRESNET-P-TL-SP500:** Cresnet® Control Cable, Plenum-Rated, Teal, 500 ft (152 m) spool

### Notes:

1. The C2N-LCDB3 is not a thermostat. A thermostat compatible with the Crestron control system is required for climate control capabilities.
2. Sold separately.

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](http://www.crestron.com/salesreps) or by calling 800-237-2041.

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, visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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