Denver Wireless Keypad Dimmer

Denver4® Wireless Keypad Dimmer, 120V—C4-KD120
Denver4® Wireless Keypad Dimmer, 240V—C4-KD240
Denver4® Wireless Keypad Dimmer, 277V—C4-KD277

The Denver ® Wireless Keypad Dimmer combines the dimming capabilities of the Control4® Wireless Adaptive Phase Dimmer with the flexibility of the Denver® Wireless Configurable Keypad. Unlock the power of one-touch automation simply by replacing an existing light switch with a Keypad Dimmer.
• Turns a standard light switch or dimmer into a fully customizable keypad and dimmer.
• Includes a button kit with every button necessary to make any of the 37 possible button configurations.
• Compatible with a variety of load types, including LEDs, incandescent, halogen, electronic low-voltage (solid state) transformers, magnetic (iron core) low-voltage transformers, fluorescents, compact fluorescents.
• Supports both forward-phase (leading edge) and reverse-phase (trailing edge) dimming.
• Automatically detects load type and determines the appropriate dimming type.
• Protection circuitry prevents device damage in case of short circuit or excessive load.
• Continuously measures energy being used by the attached load.
• Elegant, sophisticated design makes a beautiful addition to any home or business.
• Custom engraving available to clearly identify each button.
• Backlit button engraving with programmable color control for easy readability regardless of time of day or light level.
• Programmable RGB LEDs provide status feedback for lighting and other devices in the system.

· Ambient light sensor automatically adjusts backlight and status LED brightness depending on the light level in the room.
· Available in a wide array of gloss and satin colors (see "Available colors").
· Denver® screwless faceplates, sold separately, provide a sleek profile (see "Available accessories").
· California Title 20 compliant. See ctrl4.co/title20 for more information on Title 20 / Title 24 compliance.

Model numbers	C4-KD120, C4-KD240, C4-KD277
Power requirements	C4-KD120: 120VAC +/-10%, 50/60 Hz C4-KD240: 220VAC +/-10%, 50/60 Hz C4-KD277: 277VAC +/-10%, 50/60 Hz This device can function with or without a neutral AC connection depending on load type
Power consumption	C4-KD120: 786mW C4-KD240: 2.02W C4-KD277: 2.51W

Load types and ratings

Supported load types	Incandescent, halogen, electronic (solid state) low-voltage (ELV) transformers, magnetic (iron core, inductive) low-voltage (MLV) transformers1 , phase-dimmable fluorescents, compact fluorescents, and LED

C4-KD120 maximum load

	1 Gang	2 Gang	3+ Gang
Incandescent (tungsten)	600W	550W	500W
Halogen1	600W	550W	500W
Fluorescent2	300W	300W	300W
Compact fluorescent (CFL)2	300W	300W	300W
LED1,2	120W	120W	120W

C4-KD240 reverse phase maximum load

	1 Gang	2 Gang	3+ Gang
Incandescent (tungsten)	800W	700W	600W
Halogen	800W	700W	600W
Fluorescent2	500W	500W	500W
Compact fluorescent (CFL)2	500W	500W	500W
LED1,2	160W	160W	160W

C4-KD240 forward phase maximum load

	1 Gang	2 Gang	3+ Gang
Incandescent (tungsten)	400W	400W	400W

	1 Gang	2 Gang	3+ Gang
Halogen1	400W	400W	400W
Fluorescent2	400W	400W	400W
Compact fluorescent (CFL)2	400W	400W	400W
LED1,2	160W	160W	160W

C4-KD277 maximum load

	1 Gang	2 Gang	3+ Gang
Incandescent (tungsten)	1000W	900W	800W
Halogen	1000W	900W	800W
Fluorescent2	500W	500W	500W
Compact fluorescent (CFL)2	500W	500W	500W
LED1,2	200W	200W	200W

Minimum load (with neutral), all models

All load types2	1W

Minimum load (without neutral)

Incandescent (tungsten)	7W
Halogen1,2	7W
Fluorescent1,2	N/A
Compact fluorescent (CFL)1,2	N/A
LED1,2	N/A

NOTES: 1 When dimming magnetic (MLV) loads, each transformer must be loaded to at least 50% of its maximum load 2 The minimum and maximum load requirements for fluorescent, CFL, and LED loads can vary greatly depending on the specific fixture and/or bulb being used. The quality and performance of these load types vary greatly from manufacturer to manufacturer.

Environmental

Operational temperature	32˚F ~ 104˚F (0˚C ~ 40˚C)
	All load ratings are based on an ambient temperature of 77˚F (25˚C).
Humidity	5% to 95% non-condensing
Storage	-4˚F ~ 158˚F (-20˚C ~ 70˚C)

Miscellaneous

Control communications	ZigBee, IEEE 802.15.4, 2.4 GHz, 15-channel, spread spectrum radio
Wallbox volume	5.75 cubic inches
Weight	0.12 lb. (0.05 kg)
Shipping weight	0.22 lb. (0.10 kg)

Available colors

C4-KD120-xx and C4-KD277-xx	WH, LA, IV, BR, BL, SW, MB, BI, AU
C4-KD240-xx	WH, BL, SW, MB, BI, AU

Available accessories

Faceplate, 1 Gang (C4-FP1-xx)	WH, LA, IV, BR, BL, SW, MB, BI, AU, SN, SS, VB
Faceplate, 2 Gang (C4-FP2-xx)	WH, LA, IV, BR, BL, SW, MB, BI, AU, SN, SS, VB
Faceplate, 3 Gang (C4-FP3-xx)	WH, LA, IV, BR, BL, SW, MB, BI, AU, SN, SS, VB
Faceplate, 4 Gang (C4-FP4-xx)	WH, LA, IV, BR, BL, SW, MB, BI, AU, SN, SS, VB
Color Kit (C4-CKKD-xx)	WH, LA, IV, BR, BL, SW, MB, BI, AU
Engraved Button, Single High (C4-EBD1H-xx)	WH, LA, IV, BR, BL, SW, MB, BI, AU
Engraved Button, Double High (C4-EBD2H-xx)	WH, LA, IV, BR, BL, SW, MB, BI, AU
Engraved Button, Triple High (C4-EBD3H-xx)	WH, LA, IV, BR, BL, SW, MB, BI, AU

Gloss colors: WH=White, LA=Light Almond, IV=Ivory, BR=Brown, BL=Black
Satin colors: SW=Snow White, MB=Midnight Black, BI=Biscuit, AU=Aluminum
Metal finishes: SN=Satin Nickel, SS=Stainless Steel, VB=Venetian Bronze

Denver Audio Video