

# Control4® Wireless Keypad Dimmer



- Control4® Wireless Keypad Dimmer, 120V—C4-KD120
- Control4® Wireless Keypad Dimmer, 240V—C4-KD240
- Control4® Wireless Keypad Dimmer, 277V—C4-KD277

The Control4® Wireless Keypad Dimmer combines the dimming capabilities of the Control4® Wireless Adaptive Phase Dimmer with the flexibility of the Control4® 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").
- Control4® screw-less faceplates, sold separately, provide a sleek profile (see "Available accessories").
- California Title 20 compliant. See [ctrl4.co/title20](http://ctrl4.co/title20) for more information on Title 20 / Title 24 compliance.

## Control4® Wireless Keypad Dimmer

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		
<b>Load types and ratings</b>			
Supported load types	Incandescent, halogen, electronic (solid state) low-voltage (ELV) transformers, magnetic (iron core, inductive) low-voltage (MLV) transformers <sup>1</sup> , phase-dimmable fluorescents, compact fluorescents, and LEDs.		
<b>C4-KD120 maximum load</b>			
	<b>1 Gang</b>	<b>2 Gang</b>	<b>3+ Gang</b>
Incandescent (tungsten)	600W	550W	500W
Halogen <sup>1</sup>	600W	550W	500W
Fluorescent <sup>2</sup>	300W	300W	300W
Compact fluorescent (CFL) <sup>2</sup>	300W	300W	300W
LED <sup>1,2</sup>	120W	120W	120W
<b>C4-KD240 reverse phase maximum load</b>			
	<b>1 Gang</b>	<b>2 Gang</b>	<b>3+ Gang</b>
Incandescent (tungsten)	800W	700W	600W
Halogen <sup>1</sup>	800W	700W	600W
Fluorescent <sup>2</sup>	500W	500W	500W
Compact fluorescent (CFL) <sup>2</sup>	500W	500W	500W
LED <sup>1,2</sup>	160W	160W	160W
<b>C4-KD240 forward phase maximum load</b>			
	<b>1 Gang</b>	<b>2 Gang</b>	<b>3+ Gang</b>
Incandescent (tungsten)	400W	400W	400W
Halogen <sup>1</sup>	400W	400W	400W
Fluorescent <sup>2</sup>	400W	400W	400W
Compact fluorescent (CFL) <sup>2</sup>	400W	400W	400W
LED <sup>1,2</sup>	160W	160W	160W
<b>C4-KD277 maximum load</b>			
	<b>1 Gang</b>	<b>2 Gang</b>	<b>3+ Gang</b>
Incandescent (tungsten)	1000W	900W	800W
Halogen <sup>1</sup>	1000W	900W	800W
Fluorescent <sup>2</sup>	500W	500W	500W
Compact fluorescent (CFL) <sup>2</sup>	500W	500W	500W
LED <sup>1,2</sup>	200W	200W	200W
<b>Minimum load (with neutral), all models</b>			
All load types <sup>2</sup>	1W		
<b>Minimum load (without neutral)</b>			
Incandescent (tungsten)	7W		
Halogen <sup>1,2</sup>	7W		
Fluorescent <sup>1,2</sup>	N/A		
Compact fluorescent (CFL) <sup>1,2</sup>	N/A		
LED <sup>1,2</sup>	N/A		

NOTES: <sup>1</sup>When dimming magnetic (MLV) loads, each transformer must be loaded to at least 50% of its maximum load  
<sup>2</sup>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.



## Control4® Wireless Keypad Dimmer

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

