Control4® Wireless Adaptive Phase Dimmer

Control4® Wireless Adaptive Phase Dimmer, 120V—C4-APD120
Control4® Wireless Adaptive Phase Dimmer, 240V—C4-APD240
Control4® Wireless Adaptive Phase Dimmer, 277V—C4-APD277

The Control4® Wireless Adaptive Phase Dimmer is the dimmer of choice for virtually any load type. This dimmer eliminates much of the guess-work associated with choosing the right dimmer for the job and prevents the need to replace the dimmer if the load type changes in the future.

- Compatible with a variety of load types including LEDs, Incandescent, Halogen, Electronic Low Voltage (solid state) Transformers, Magnetic (iron core) Low Voltage Transformers, Fluorescents, and 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 which light each dimmer controls
- 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)

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Model Numbers	C4-APD120, C4-APD240, C4-APD277
Power Requirements	C4-APD120: 120VAC +/-10%, 50/60Hz C4-APD240: 220VAC-240VAC +/-10%, 50/60Hz C4-APD277: 277VAC +/-10%, 50/60Hz This device can function with or without a neutral AC connection depending on load type.
Power Consumption	C4-APD120: 450mW C4-APD240: 1.94W C4-APD277: 550mW

Load Types and Ratings	
Supported Load Types	Incandescent; Halogen; Electronic (Solid State) Low Voltage (ELV) transformers, Magnetic (Iron Core, Inductive) Low Voltage (MLV) transformers; Phase-Dimmable Fluorescents, Compact Fluorescents, and LEDs.

C4-APD120 Maximum Load

	1 Gang	2 Gang	3+ Gang
Incandescent (Tungsten)	600W	550W	500W
Halogen	600W	550W	500W
Fluorescent*	300W	300W	300W
Compact Fluorescent (CFL)*	300W	300W	300W
LED*	120W	120W	120W

C4-APD240 Reverse Phase Maximum Load

	1 Gang	2 Gang	3+ Gang
Incandescent (Tungsten)	800W	700W	600W
Halogen	800W	700W	600W
Fluorescent*	500W	500W	500W
Compact Fluorescent (CFL)*	500W	500W	500W
LED*	160W	160W	160W

C4-APD240 Forward Phase Maximum Load

	1 Gang	2 Gang	3+ Gang
Incandescent (Tungsten)	400W	400W	400W
Halogen	400W	400W	400W
Fluorescent*	400W	400W	400W
Compact Fluorescent (CFL)*	400W	400W	400W
LED*	160W	160W	160W

C4-APD277 Maximum Load

	1 Gang	2 Gang	3+ Gang
Incandescent (Tungsten)	1000W	900W	800 W
Halogen	1000W	900 W	800 W
Fluorescent*	500 W	500 W	500W
Compact Fluorescent (CFL)*	500 W	500 W	500 W
LED*	200 W	200W	200 W

Minimum Load (with neutral) , All Models

All load types	1W

Minimum Load (without neutral)

Incandescent (Tungsten)	7W
Halogen	7W
Fluorescent*	N/A
Compact Fluorescent (CFL)*	N/A
LED*	N/A

*NOTES: 1) The maximum load requirements for fluorescent, CFL and LED loads can vary greatly depending upon the specific fixture and/or bulb being used. 2) The quality and performance of these load types varies greatly from manufacturer to manufacturer. 3) The use of fluorescent, CFL, or LEDs load without a neutral wire connected to the dimmer is not recommended.

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Environmental	
Operational Temperature	32˚ F - 104˚ F (0˚ C - 40˚ C) All load ratings are based on an ambient temperature of 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	0.18 lb. (0.08 kg)
Available Colors	
C4-APD120-xx	WH, LA, IV, BR, BL, SW, MB, BI, AU
C4-APD240-xx	WH, BL, SW, MB, BI, AU
C4-APD277-xx	WH, LA, IV, BR, 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-CKFPDAPD-xx)	WH, LA, IV, BR, BL, SW, MB, BI, AU
Engraved Button, Rocker (C4-EBDR-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