Control4

Next-Generation Wireless Lighting Quick Start Guide

For Your Information...

The Next-Generation Wireless Lighting line of products consists of:

- Adaptive Phase Dimmer, 120V (C4-APD120)
- Adaptive Phase Dimmer, 240V (C4-APD240)
- Adaptive Phase Dimmer, 277V (C4-APD277)
- Forward Phase Dimmer, 120V (C4-FPD120)
- Keypad Dimmer, 120V (C4-KD120)
- Keypad Dimmer, 240V (C4-KD240)
- Keypad Dimmer, 277V (C4-KD277)
- Configurable Keypad, 120V - 277V (C4-KC120277)
- Configurable Keypad, 240V (C4-KC240)
- Switch, 120V - 277V (C4-SW120277)
- Switch, 240V (C4-SW240)
- Auxiliary Keypad, 120V - 277V (C4-KA)
- 0-10V Dimmer, 120V - 277V (C4-TV120277)
- 0-10V Dimmer, 240V (C4-TV240)
- Fan Speed Controller, 120V (C4-4SF120)
- Faceplate (C4-FP1-xx, C4-FP2-xx, C4-FP3-xx, and C4-FP4-xx)

Things to Consider Before You Install These Devices

1. The use of HC-250 or HC-800 Controllers as ZAPs is highly recommended. The lighting scene ramping and load group features are not supported with legacy controllers.
2. In new construction, meet with the electrician *prior* to rough-in wiring to ensure that all devices are wired with a neutral in the wallbox. Also ensure that any ceiling fans have separate control wires for the lights and fan, and that a double-gang space has been provided for the control of the light and fan.
3. When using energy-efficient loads, such as LEDs, test the actual loads in the planned configuration ahead of time to ensure compatibility.
4. Before you install the keypads, talk to your customer about what configuration they want for their buttons.
5. Discuss engraving requirements with your customer. We recommend engraving all keypad buttons as well as all dimmer/switch buttons in multi-gang boxes. Print out the Engraving Report from Composer Pro, and review the report with your customer prior to ordering engraved buttons.

Things to Consider When Adding the Next-Generation Wireless Lighting Products to the Composer Pro Project

1. Choose the default device LED colors in the project settings prior to adding any devices.
2. Leave the backlight color set to Black until the engraved buttons are added to the devices. Turning the backlight on without engraved buttons will cause light bleed-through into the status LEDs and unnecessary energy use.

3. If you are replacing legacy devices in an existing Control4 lighting system, use the "Replace Legacy Control4 Device" option in the Composer Pro keypad properties to automatically transfer settings, bindings, and programming from the old device to the new device.
4. Use the Advanced Lighting Scene agent for best lighting scene performance. We recommend limiting the scene ramping feature to no more than 10 devices per scene to avoid extraneous ZigBee traffic.

Resources

You will find useful information in these documents and videos (in most cases, dealer login is required).

Marketing, Installation, and Setup Guides

1. *Datasheets* (each lighting product has its own datasheet, in PDF on the dealer Products page)
2. *Brilliant Lighting Solutions* brochure (Products page)
3. *READ THIS FIRST Notice for OS 2.5* (PDF, dealer Software Releases page)
4. *OS 2.5 Release Notes* (PDF, dealer Software Releases page)
5. *Adaptive Phase Dimmer Installation Guide* (PDF, dealer Products or Documentation page)
6. *Adaptive Phase Dimmer, 240V Installation Guide* (PDF, dealer Products or Documentation page)
7. *Forward Phase Dimmer Installation Guide* (PDF, dealer Products or Documentation page)
8. *Keypad Dimmer Installation Guide* (PDF, dealer Products or Documentation page)
9. *Keypad Dimmer, 240V Installation Guide* (PDF, dealer Products or Documentation page)
10. *Configurable Keypad Installation Guide* (PDF, dealer Products or Documentation page)
11. *Configurable Keypad, 240V Installation Guide* (PDF, dealer Products or Documentation page)
12. *Switch Installation Guide* (PDF, dealer Products or Documentation page)
13. *Switch, 240V Installation Guide* (PDF, dealer Products or Documentation page)
14. *Auxiliary Keypad Installation Guide* (PDF, dealer Products or Documentation page)
15. *0-10V Dimmer Installation Guide* (PDF, dealer Products or Documentation page)
16. *0-10V Dimmer, 240V Installation Guide* (PDF, dealer Products or Documentation page)
17. *Fan Speed Controller Installation Guide* (PDF, dealer Products or Documentation page)
18. *Faceplate Installation Guide* (PDF, dealer Products or Documentation page)
19. *Keypad Buttons Installation Guide* (PDF, dealer Products or Documentation page)
20. *Composer Pro Getting Started* (PDF, dealer Products or Documentation page) or *Composer Pro Getting Started* help (in the Composer Pro software)
21. *Composer Pro User Guide* (PDF or online help on dealer product Documentation page)

How To's, Technical Notes, and Videos

We are constantly adding new quick reference sheets and videos to support our products. Please check our website often to see what's new. In most cases, dealer login is required.

1. *New Wireless Lighting Overview* (video, on the Products page and in the Control4 University)
2. *New Wireless Lighting - Dimmers & Switch* (video, on the Products page and in the Control4 University)
3. *New Wireless Lighting - Keypads & Fan Speed Control* (video, on the Products page and in the Control4 University)
4. *New Wireless Lighting - Faceplates & Engraved Keycaps* (video, on the Products page and in the Control4 University)
5. *Keycap Installation* (video, on the Products page)
6. *Lighting Loads Comparison Table* (PDF, on the Products page)

Other related training materials are available also in the Control4 University portal.

Supported Lighting Loads

Use this table as a reference before you purchase or install these Control4® lighting devices:

Model Number/ Supported Loads	Control4 Adaptive Phase Dimmer (C4-APD120) and Keypad Dimmer (C4-KD120)	Control4 Forward Phase Dimmer (C4-FPD120)	Control4 Switch (C4-SW120277)	Control4 Wireless Outlet Dimmer (LOZ-5D1)	Control4 Wireless Outlet Switch (LOZ-5S1)
Power Requirements	120 VAC +/- 10% 60/50 Hz	120 VAC +/- 10% 60/50 Hz	120-277 VAC +/- 10% 60/50 Hz	120 VAC +/- 10% 60/50 Hz	120 VAC +/- 10% 60/50 Hz
Supports No-Neutral Wiring Option	Yes	Yes	No	No	No
Transformer Support					
MLV (Magnetic/ Iron Core)	Yes	Yes	Yes	N/A	Yes
ELV (Electronic/ Solid State)	Yes	N/A	Yes	N/A	Yes
Maximum One-Gang Load (Per Load Type)					
Incandescent	Max Load: 600W Min Load (with Neutral): 1W Min Load (No Neutral): 7W	Max Load: 1000W Min Load (with Neutral): 4.5W Min Load (No Neutral): 25W	Max Load 120V: 15Amp Max Load 277V: 8Amp Min Load (No Neutral): N/A	700W Total Across Both Outlets	600W Total Across Both Outlets
Halogen	Max Load: 600W Min Load (with Neutral): 1W Min Load (No Neutral): 7W	Max Load: 1000W Min Load (with Neutral): 4.5W Min Load (No Neutral): 25W	Max Load 120V: 15Amp Max Load 277V: 8Amp Min Load (No Neutral): N/A	700W Total Across Both Outlets	600W Total Across Both Outlets
Fluorescent*	Max Load: 500W Min Load (with Neutral): 1W Min Load (No Neutral): N/A	Max Load: 500W Min Load (with Neutral): 4.5W Min Load (No Neutral): N/A	Max Load 120V: 15Amp Max Load 277V: 8Amp Min Load (No Neutral): N/A	N/A	7.2.A Ballast Total Across Both Outlets
Compact Fluorescent* (CFL)	Max Load: 300W Min Load (with Neutral): 1W Min Load (No Neutral): N/A	Max Load: 500W Min Load (with Neutral): 4.5W Min Load (No Neutral): N/A	Max Load 120V: 15Amp Max Load 277V: 8Amp Min Load (No Neutral): N/A	N/A	7.2.A Total Across Both Outlets
LEDs*	Max Load: 120W Min Load (with Neutral): 1W Min Load (No Neutral): N/A	Max Load: 200W Min Load (with Neutral): 4.5W Min Load (No Neutral): N/A	Max Load 120V: 15Amp Max Load 277V: 8Amp Min Load (No Neutral): N/A	N/A	N/A
Motor	N/A	N/A	1/2 HP	N/A	1/3HP (7.2 FLA) Total Across Both Outlets
Multi-Gang Derating	1 Gang 600W 2 Gangs 550W 3+ Gangs 500W	1 Gang 1000W 2 Gangs 800W 3+ Gangs 600W	N/A	N/A	N/A

NOTE: The maximum wattage assumes that the device is mounted in a single gang box. Please refer to the lighting datasheet for more details.

* 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.