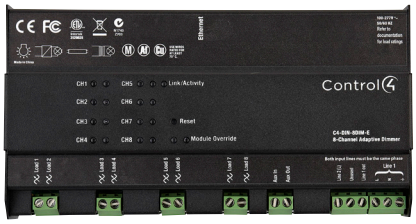
Control4® 8-Channel Dimmer

Control4® 8-Channel Dimmer C4-DIN-8DIM-E

The Control4® 8-Channel Dimmer controls up to eight loads from one module in the Control4® system. It is an adaptive phase dimmer, so each channel supports a variety of load types including incandescent, halogen, electronic low-voltage (solid-state) transformer, magnetic (iron core) low-voltage transformer, fluorescent, compact fluorescent, LED, and motor. The 8-Channel Dimmer automatically detects the load type and sets the appropriate dimming mode.

- Controls up to eight loads and supports a variety of load types
- Each channel can be set to different dimming modes including Switch mode, Forward Phase mode, Reverse Phase mode, or Autodetect mode
- Channel buttons allow for toggling on/off or ramping up/down a load
- Channel status LEDs indicate whether a load is on, off, or in short-circuit fault
- Module override button allows toggling between the module override scene and all channels off or setting the module override scene to current channel levels
- Module status LED indicates if module power is on with normal operation, off, or in thermal overload
- Link/Activity LED indicates system link status, communication activity, or firmware update status
- Reset button can be use for factory default or various IP configuration settings
- Auxiliary override connection allows a standard line-voltage toggle switch to control the attached lights before the control system is installed or in case the controller malfunctions
- Module can be installed in either a Control4® 5- or 2-slot panel or a third-party DIN rail panel



Control4™

Control4® 8-Channel Dimmer

Model Number	C4-DIN-8DIM-E
Power requirements	100-277VAC, 50/60 Hz
Line feeds (circuits)	1 or 2
Power consumption	4W
Supported load types	Incandescent, halogen, electronic low-voltage transformer (ELV), magnetic (iron core) low-voltage transformer (MLV)*, fluorescent, compact fluorescent, LED, motor
Control communcations	Ethernet

Module load ratings in Contro4® panel			
	120V	**240V**	**277V**
Module max with two line-ins	3200W	6000W	6000W
Line-in 1 max	1920W	3840W	3840W
Line-in 2 max	1920W	3840W	3840W
Module max with one line-in	1920W	3840W	4400W

Module load ratings in standard DIN rail panel			
	120V	**240V**	**277V**
Module max with two line-ins	1920W	3840W	N/A
Line-in 1 max	1000W	2000W	N/A
Line-in 2 max	1000W	2000W	N/A
Module max with one line-in	1920W	3840W	N/A

Individual channel load ratings				
		120V	**240V**	**277V**
Incandescent, tungsten, halogen, electronic (solid-state) low-voltage transformer (ELV), magnetic (iron core) low-voltage transformer (MLV)*	Max dimmable:	1000W	2000W	2300W
	Max non-dimmable:	500W	1000W	1150W
	Min (except MLV):	2W	2W	2W
	Min (MLV):	18W*	36W*	42W*
Fluorescent, compact fluorescent (CFL)	Max dimmable:	500W	1000W	1150W
	Max non-dimmable:	250W	500W	575W
	Min:	2W	2W	2W
LED	Max dimmable:	200W	400W	460W
	Max non-dimmable:	200W	400W	460W
	Min (except MLV):	2W	2W	2W
	Min (with MLV trans.):	18W*	36W*	42W*
Motor	Max dimmable:	N/A	N/A	N/A
	Max non dimmable	1/8 HP	1/8 HP	1/8 HP
	Min:	N/A	N/A	N/A

*Important! When dimming magnetic (MLV) loads, each transformer must be loaded to at least 50% of its maximum load.

Connectors	
Sixteen line voltage screw terminals	(Line 1, Line 2, Line 3, Line 4, Neutral, Earth Ground, Loads 1-8, Aux In, Aux Out, unused) One 26AWG to 12AWG (0.12 mm² to 4 mm²) per terminal
Ethernet	RJ-45 (1)
Environmental	
Operational temperature	32˚F - 104˚F (0˚C - 40˚C)
Humidity	5% - 95% Non-condensing
Storage	-4˚F - 158˚F (-20˚C - 70˚C)
Heat dissipation	175 BTU/hr (51W)
Dimensions	
H × W × D	8.5" × 4.3" × 2.3" (215 mm × 109 mm × 57 mm)
DIN module width	12M
Weight	2.8 lbs (1.3 kg)
Shipping weight	3.2 lbs (1.4 kg)

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