

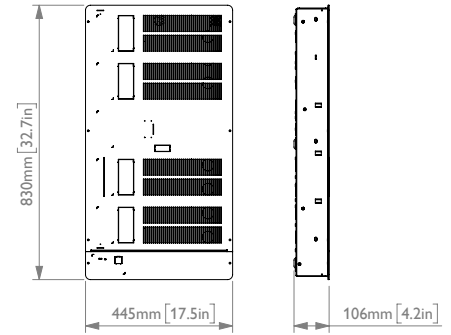
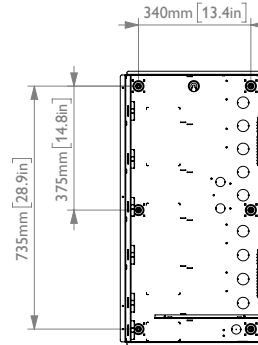


# DMC4-CE Multipurpose Modular Controller

## Control different load types with one device

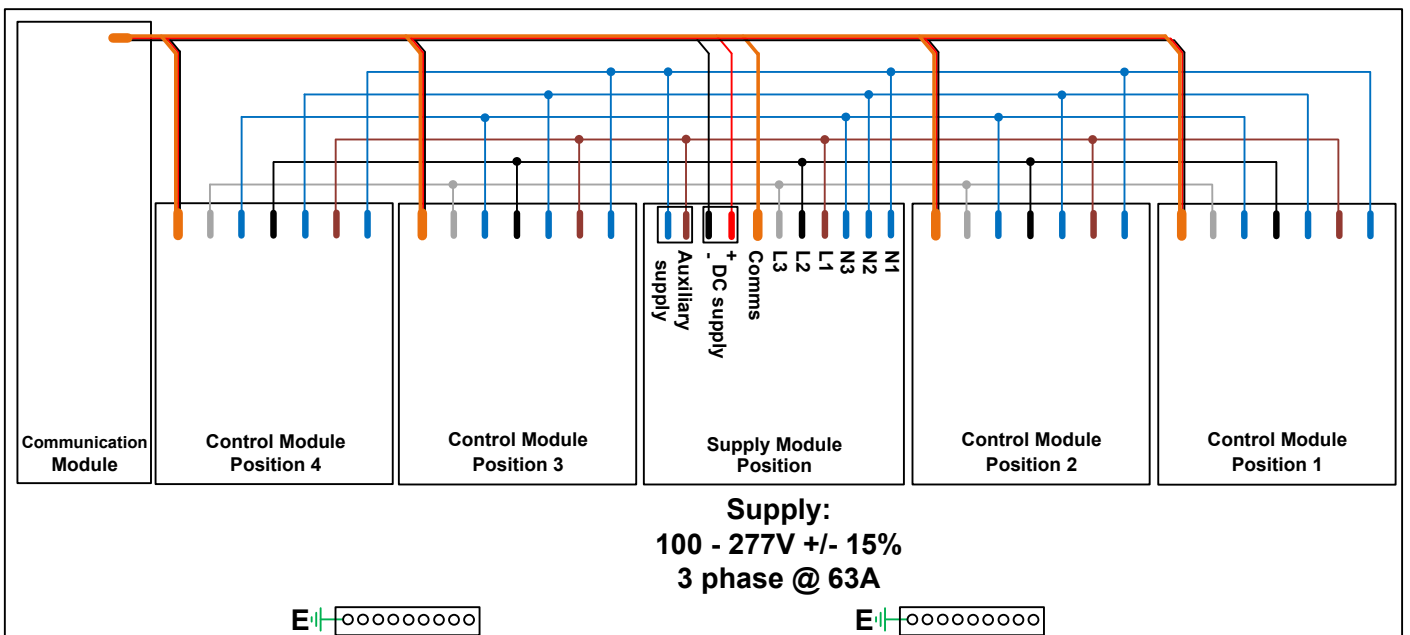
The Philips Dynalite DMC4 provides multichannel control via four interchangeable modules. The device is available with a variety of control modules to handle various load types and capacities. This model is suitable for use in CE markets.

- Single controller solution — Control a multitude of load types from one device, suited to any segment requiring lighting or relay control.
- Phase-cut dimming module — Selectable per channel for Leading or Trailing Edge output. Compatible with most dimming loads.
- Signal dimming module — Suitable for controlling 1-10V, DSI and DALI Broadcast drivers. A built-in relay removes power when channel level is at 0%.
- Relay control module — Suitable for controlling most types of switched loads.
- Flexible mounting solution — Surface or recess mountable enclosure.
- Passive cooling — Fanless design reduces noise, power consumption and maintenance costs.



For detailed product information, please refer to the product information pages at <http://www.lighting.philips.com/>

### Electrical Diagram

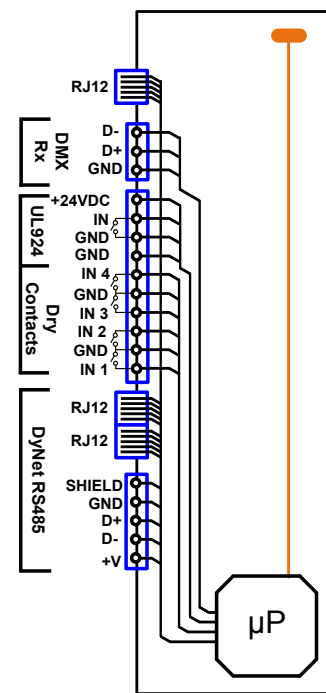


## Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details																				
Electrical	Input Voltage	120/208, 230/400, 277/480 VAC (+10% / -15%) 3-Phase, 4-Wire (Y), or Single Phase IEC Overvoltage Category III																				
	Input Current	63A per phase for 3-phase supply, or single phase 63A max																				
	Input Frequency	50/60Hz																				
	DyNet DC Supply	12/24 VDC (selectable) @ max 200 mA (Class 2)																				
	Control Modules	<p><b>DMD310-CE</b>: 3 x 10 A I-10V, DSI or DALI broadcast  <b>DMD316-CE</b>: 3 x 16 A I-10V, DSI or DALI broadcast                      1-10V: 50 mA sink/source, max 100 drivers per channel                      DALI/DSI: 16 VDC 130 mA nom.                      max drivers: 64 per channel (192 per module)                      max current: 190 mA per channel                      (No external DALI power supply permitted)</p> <p><b>DMP310-GL-CE</b>: 3 x 10 A Leading/Trailing Edge dimming.                      Maximum module output 14 A                      Current limited to 4.3 A per channel at 277 V</p> <p><b>DMP603-GL-CE</b>: 6 x 3 A Leading/Trailing Edge dimming                      Maximum module output 14 A                      Current limited to 1.7 A per channel at 277 V</p> <p><b>DMR310-CE</b>: 3 x 10 A relay (lighting and resistive load)                      1 HP (120/230/277 V) (motor load)</p> <p><b>DMR316-CE</b>: 3 x 16 A switched outputs (lighting and resistive load)                      1 HP (120 V), 2 HP (230/277 V) (motor load)</p> <p><b>DMR610-GL-CE</b>: 6 x 10 A switched outputs:                      120-277 V (lighting and resistive load)                      1HP (120 V), 2 HP (230/277 V) (motor load)                      Max. continuous output per phase: 16 A 120-277 V</p> <p>* Line, Neutral for each channel,                      conductor size 1x16 mm<sup>2</sup> (AWG6)                      Inrush current rating: 500 A for 200 μs</p>																				
Control	Communication Module	One RS-485 DyNet serial port (1 x 5-way pluggable screw terminal + 3 x RJ-12 sockets) One DMX512 Rx port Four programmable dry contact AUX inputs (non-isolated) One UL924 trigger input † Service switch Diagnostic LED Channel override keypad † This function must only be used with systems complying to UL924, and must not be used with any other system																				
	Diagnostic Functions	Device online/offline status Channel on/off/faulty status DyNet Watchdog																				
Options & Ordering	Naming Format	<table border="0"> <tr><td>DMD310-CE</td><td>(Philips 12NC - 913703667909)</td></tr> <tr><td>DMD316-CE</td><td>(Philips 12NC - 913703666609)</td></tr> <tr><td>DMD316-CE</td><td>(Philips 12NC - 913703666709)</td></tr> <tr><td>DMP310-GL-CE</td><td>(Philips 12NC - 913703666809)</td></tr> <tr><td>DMP603-GL-CE</td><td>(Philips 12NC - 913703668509)</td></tr> <tr><td>DMR310-CE</td><td>(Philips 12NC - 913703666409)</td></tr> <tr><td>DMR316-CE</td><td>(Philips 12NC - 913703666509)</td></tr> <tr><td>DMR610-GL-CE</td><td>(Philips 12NC - 913703668209)</td></tr> <tr><td>DCM-DyNet</td><td>(Philips 12NC - 913703666209)</td></tr> <tr><td>DSM4-XX</td><td>(Philips 12NC - 913703668009)</td></tr> </table>	DMD310-CE	(Philips 12NC - 913703667909)	DMD316-CE	(Philips 12NC - 913703666609)	DMD316-CE	(Philips 12NC - 913703666709)	DMP310-GL-CE	(Philips 12NC - 913703666809)	DMP603-GL-CE	(Philips 12NC - 913703668509)	DMR310-CE	(Philips 12NC - 913703666409)	DMR316-CE	(Philips 12NC - 913703666509)	DMR610-GL-CE	(Philips 12NC - 913703668209)	DCM-DyNet	(Philips 12NC - 913703666209)	DSM4-XX	(Philips 12NC - 913703668009)
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## Communication Module



Supply Module	Line 1, Line 2, Line 3, Neutral Max conductor size 1 x 16 mm <sup>2</sup> (#6 AWG) Earth link bar provided		
Dimensions (H x W x D)	540 mm (21.3") x 380 mm (15") x 103 mm (4.1")		
Physical	Packed Weight	DMC4-CE	13.7 kg (30.2 lbs)
		DMD31X-CE	1.8 kg (4 lbs)
		DMP310-GL-CE	2.1 kg (4.6lbs)
		DMP603-GL-CE	2.3 kg (5 lbs)
		DMR31X-CE	1.7 kg (3.7 lbs)
		DMR610-GL-CE	1.9 kg (4.1 lbs)
		DCM-DyNet	0.8 kg (1.8 lbs)
DSM4-XX	1.25 kg (2.75 lbs)		
Construction	Galvanized steel case with powder coated front covers		
Operating Conditions	Temperature: 0 to 40°C (32 to 104°F) ambient Humidity: 0 to 90% non-condensing IEC Pollution Degree II		
Storage & Transport	Temperature: -25 to 60°C (-13 to 140°F) ambient Humidity: 0 to 90% non-condensing		
Certification	CE, RCM, RoHS High SCCR 22 kA @ 277 VAC (UL67)		

RCBO Modules	DMD310-RCBO-CE	(Philips 12NC - 913703667109)
	DMD316-RCBO-CE	(Philips 12NC - 913703667209)
	DMP310-GL-RCBO-CE	(Philips 12NC - 913703667309)
	DMP603-GL-RCBO-CE	(Philips 12NC - 913703668609)
	DMR310-RCBO-CE	(Philips 12NC - 913703666909)
	DMR316-RCBO-CE	(Philips 12NC - 913703667009)
	DMR610-GL-RCBO-CE	(Philips 12NC - 913703668309)



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