

CM-150 CA gen2

Date: _____
Type: _____
Firm Name: _____
Project: _____

**DIN Rail Mount, Four-Wire
Terminal, 4A 24V, IP00**

CONTROL MODULE

Control module for large scale architectural and media applications using the Flex Compact family or Flex Micro, eW luminaires.

CM-150 CA gen2 delivers integrated data and power to Flex Compact family or Flex Micro, eW luminaires. With multiple mounting options, CM-150 CA gen2 is the single solution for large-scale installations. An integrated test button instantly confirms proper functioning of your devices, saving time and simplifying integration.



- Supports up to 150 W of power output—CM-150 CA gen2 accommodates input and output voltage of 24 volts, so it's compatible with the Flex Compact family and Flex Micro, eW products. The CM-150 CA gen2 features two output ports. Each port supports a 75 node strand of Flex luminaires.
- Integrated test button—CM-150 CA gen2 features an onboard button for testing luminaires that are attached to the control module, even before fully installing your control system. Press this button to instantly show a color wash on attached luminaires, confirming that your devices are working just as you expect them to. Press the button again, and your luminaires will resume normal operation. On-board indicator LEDs provide visual feedback for normal operation, DMX and Ethernet connection detection, and Ethernet data transmission.
- Modular and versatile—CM-150 CA gen2 is available in a surface mount or DIN rail mount form factor, allowing placement in indoor and outdoor environments, or in your own custom housing. CM-150 CA gen2 is compatible with third-party power supplies, so you can purchase the power supplies that work best for your installation.
- 4-wire output offers flexibility of placement and can be used in runs of up to 30.5 m (100 ft) from the CM-150 CA gen2. Longer leader cables are available for custom configurations.
- CM-150 CA gen2 features 3 channel control of Color Kinetics luminaires. 3 channel control ensures backward compatibility with Flex RGB luminaires.
- DMX and Ethernet input and output—CM-150 CA gen2 can accept DMX or Ethernet data. DMX and Ethernet output ports allow for daisy-chaining of CM-150 CA gen2 units. Surface mount units include a single and double hole gland for watertight seal around one or two cables.
- Compatible with Interact Landmark—CM-150 CA gen2 is designed to work with Interact Landmark. With Interact Landmark, you can check the devices on your lighting network right from your web browser. And because Interact Landmark knows the status of your control module, you can instantly pinpoint a problematic CM-150 CA gen2 or attached luminaires from anywhere in the world.

For more information, please refer to <https://www.colorkinetics.com/global/products/pds/cm150ca2>

Specifications

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

Electrical

Input Voltage	24 VDC
Fuse Rating	(2) 4A, fast blow fuses
Power Consumption for Control Module	3 W at 24 VDC
Power Output (with Power Supply not included)	150 W maximum at 24 VDC

Connections

Data Input Source
Color Kinetics full range of controllers, including Light System Manager, Video System Manager Pro, iPlayer 3, Antumbra iColor Keypad, and ColorDial Pro, or third-party controllers

Power Input	V+ and GND terminal block†
Power/Data Output	(2) V+, GND, Data+, and Data- terminal blocks
Data Input/Output	Quad-entry terminal block connectors‡

† Terminal block connectors accept wire sizes from 0.5 to 2.1 mm2 (14 to 20 AWG).
‡ Terminal Block connectors accept wire sizes from 0.326 to 0.129 mm2 (22 to 26 AWG).

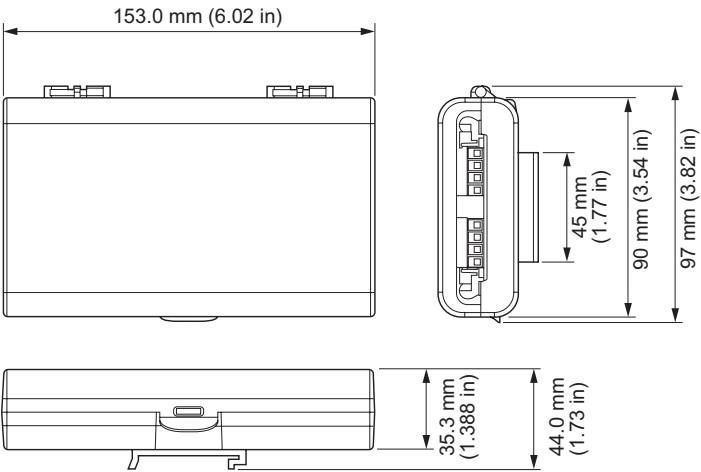
Physical

Dimensions	153 x 97 x 35 mm (6 x 3.8 x 1.375 in)
(Height x Width x Depth)	
Weight	0.2 kg (0.4 lb)
Housing	Plastic housing
Mounting	DIN rail mountable
Operating Temperature	-30 to 50 °C (-22 to 122 °F)
Startup Temperature	-20 to 50 °C (-4 to 122 °F)
Storage Temperature	-40 to 70 °C (-40 to 158 °F)
Humidity	0 to 95%, non-condensing
Cooling	Convection

Certification and Safety

Certification	UL/cUL Recognized, CE
Environment	Dry Location, IP00

Dimensions



Part Numbers

Use Item Number when ordering in North America.

Control Module[†]

	Item Number	Item 12NC
CM-150 CA gen2, DIN Rail Mount, Four-Wire Terminal, 4A 24V, IP00	109-000041-00	912400137430
24 V power supply must be ordered separately from Color Kinetics or a third party manufacturer		

Accessories

Leader Cable connecting CM-150 CA gen2 to all Flex Compact or Micro

15.2 m (50 ft), Black for CM-150 CA gen2, IP00	108-000080-01	912400135907
30.5 m (100 ft), Black for CM-150 CA gen2, IP00	108-000080-02	912400135908
15.2 m (50 ft), Black for CM-150 CA gen2, IP66	108-000082-01	912400135910
30.5 m (100 ft), Black for CM-150 CA gen2, IP66	108-000082-02	912400135911

2-part Leader Cable and Dongle

*The 2-part leader cable allows flexibility with installation or maintenance challenges. The Flex Dongle and either the IP00 or IP66 Leader Cable are both required to create a complete Flex Leader Cable connecting to CM-150 CA gen2.

	Item Number	Item Number 2	Item 12NC	Item 12NC 2
Flex Dongle 278.8 mm (10.9 in), Black	108-000082-00		912400137819	
30.5 m (100 ft), Black connects to CM 150 CA gen2 IP00	108-000080-12	108-000082-00	912400137820	912400137819
30.5 m (100 ft), Black connects to CM 150 CA gen2 IP66	108-000082-12	108-000082-00	912400137821	912400137819



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Color Kinetics
www.colorkinetics.com