PHILIPS

COLOR KINETICS

Multi-Protocol Converter 8

Control Device

Date: _____

Type: _____

Firm Name: _____

Project: _____

Multi-Protocol Converter 8

Two-way protocol conversion for Philips Color Kinetics lighting installations

Multi-Protocol Converter 8 offers unprecedented flexibility for your Philips Color Kinetics lighting installation, allowing you to integrate DMX and RDM luminaires with your Ethernet lighting network. Multi-Protocol Converter 8 accepts KiNET and Art-Net input via an Ethernet connection, and transmits DMX light data to up to eight universes of luminaires. And because Multi-Protocol Converter 8 allows bidirectional communication with RDM-enabled devices, you can assign DMX addresses and monitor your Philips Vaya RDM luminaires directly from ActiveSite.

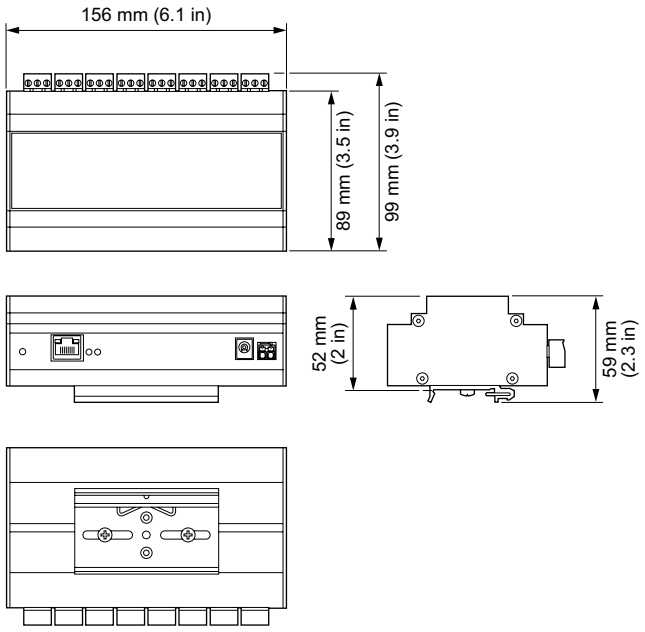
Multi-Protocol Converter 8

Two-way protocol conversion for Philips Color Kinetics lighting installations

- Flexible protocol conversion—With Multi-Protocol Converter 8, you can convert KiNET to DMX or RDM. Multi-Protocol Converter 8 supports two-way communication between Ethernet and RDM-enabled devices in your lighting installation.
- RDM integration in your Ethernet network—Multi-Protocol Converter 8 has enough capacity to communicate with up to 4,096 individual DMX channels on your KiNET or Art-Net network. That's eight full universes, or up to 1,360 uniquely addressed RGB nodes per Multi-Protocol Converter 8 when you use a compatible DMX or RDM splitter.
- Scalable DMX installations—Multi-Protocol Converter 8 accepts large amounts of data over a single Ethernet cable, so you can drastically reduce the hardware and cabling requirements of adding DMX luminaires to your lighting installation.
- Modular and versatile—Multi-Protocol Converter 8 is DIN rail mountable, allowing placement in indoor environments, or outdoors in your own custom weatherproof enclosure.
- Multiple power options—Use the included power supply for installation near an electrical outlet. Or you can purchase your own third-party power supply, giving you flexibility of placement and allowing you to power several Multi-Protocol Converter 8 devices with a single electrical source.
- Expand compatibility with ActiveSite—With Multi-Protocol Converter 8, ActiveSite can now monitor Philips Vaya RDM-enabled luminaires. With ActiveSite, you can check the devices on your lighting network right from your web browser. And because ActiveSite knows the connectivity status of your RDM luminaires, you can instantly pinpoint problematic LED nodes from anywhere in the world.

For detailed product information please visit www.colorkinetics.com/ls/controllers/multi-protocol-converter-8/.

Dimensions



Specifications

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

Date: _____
Type: _____
Firm Name: _____
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Multi-Protocol Converter 8

Electrical

Input Voltage	7 to 24 VDC
Power Consumption	8 W

Connections

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

Power Input	V+ and V- terminal block†, or DC socket
Data Input	KiNET/Art-Net via 10/100 Ethernet (RJ45 connector)
Data Output *(To luminaires)*W	Data+, Data-, and Common terminal blocks†

Control

ActiveSite	ActiveSite Ready

Physical

Dimensions *(Height x Width x Depth)*	99 x 156 x 59 mm (3.9 x 6.1 x 2.3 in)
Weight	0.4 kg (0.9 lb)
Housing Material	Aluminium
Mounting	DIN rail mountable
MPC8 Temperature Ranges	-20 to 50 °C (-4 to 122 °F) Startup -20 to 50 °C (-4 to 122 °F) Operating -40 to 80 °C (-40 to 176 °F) Storage
Power Supply Temperature Range	-2 to 40 °C (28 to 104 °F) Operating
Humidity	0 to 95%, non-condensing
Cooling	Convection

Certification and Safety

Certification	UL/cUL, CE, RCM, CCC
Environment	Dry/Damp Location, IP20

† Terminal block connector accepts wire sizes from 1 to 2.5 mm^2 (24 to 12 AWG).

Part numbers

Use Item Number when ordering in North America.

Controller/Network Device	Item Number	Philips 12NC
Multi-Protocol Converter 8 *Power supply included.*	104-000018-00	912400136052
Multi-Protocol Converter 8 *Power supply not included.*	104-000018-01	912400136903
Replacement Part		
Accessory Spare Part, MPC8, Replacement 12V Power Supply	120-000212-00	912400136902

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Philips Color Kinetics
www.philips.com/colorkinetics