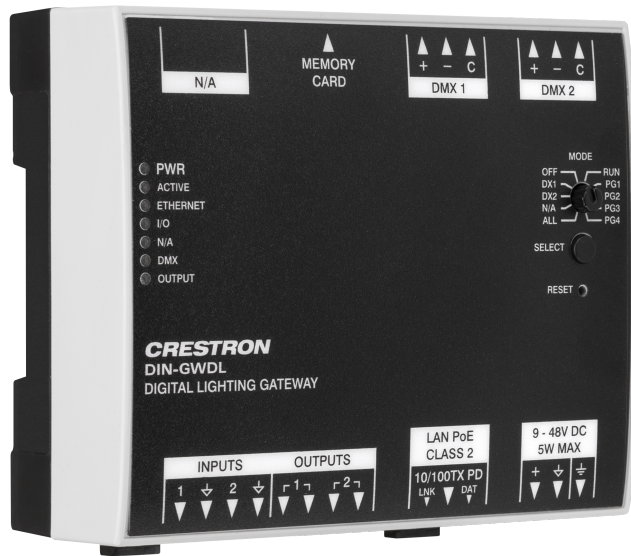


DIN-GWDL

Digital Lighting Gateway, DIN Rail Mount



- *Designed exclusively for Crestron Home® OS*
- *Supports up to 64 directly connected Crestron light fixtures and Crestron compatible third-party light fixtures*
- *Support expanded up to 85 Crestron light fixtures and Crestron compatible third-party light fixtures with the use of a [DIN-GWDL-SPLTR](#) (sold separately)*
- *RJ-45 adapters included for quick wiring using standard CAT5 cable*
- *Ability to turn all lights on and off without a control system via local control*
- *Auto-addressing and quick commissioning through the Crestron Home Setup Application*
- *Compatible with Crestron SolarSync® sensors*
- *Order using the [Crestron Light Fixture Configuration Tool](#)*
- *6U 35 mm DIN rail mountable*

The [DIN-GWDL](#) is a gateway for Crestron light fixtures and Crestron compatible third-party light fixtures. It provides full control of all connected lighting loads. The DIN-GWDL is configured using the Crestron Home Setup application and controlled using a Crestron Home system.

Use the [Crestron Light Fixture Configuration Tool](#) to order.

Crestron Home Color UI

Use the Crestron Home Color UI to easily control the tunable white and full color lighting loads. Adjust hue, saturation, intensity and color temperature. Create scenes to set the mood for entertaining or ensure the optimal setting for a professional conference call. Set lighting schedules or implement Circadian lighting rhythms.

Circadian Rhythm Lighting Control

Sunlight has a predictable rhythm of color temperature and intensity. Connected light fixtures can be synchronized with this natural rhythm.

SolarSync® Sensor

Match outside light using an outdoor SolarSync® Sensor ([GLS-LCCT](#), sold separately). SolarSync communicates the outside color temperature to Crestron Home® in real-time and tunes your indoor lighting accordingly.

DMX-C Control

Built on the DMX512 standard, DMX-C offers the speed and reliability of a traditional DMX system with the seamless and consistent user experience of the Crestron Home® OS. When connected to a DIN-GWDL, DMX-C lighting fixtures are autodiscovered, autoaddressed, and treated as native Crestron devices with a consistent and intuitive interface.

Supports up to 85 Crestron Light Fixtures and Crestron compatible third-party light fixtures with DIN-GWDL-SPLTR (sold separately)

The DIN-GWDL has two DMX-C outputs, each of which supports up to 32 directly connected Crestron light fixtures and Crestron compatible third-party light fixtures, for a total of 64 directly connected fixtures. Each added DIN-GWDL-SPLTR adds four additional DMX-C outputs, each of which supports up to 32 directly connected Crestron light fixtures and Crestron compatible third-party light fixtures. The DIN-GWDL with a DIN-GWDL-SPLTR can support a total of 85 Crestron light fixtures and Crestron compatible third-party light fixtures.

Fast Commissioning

Connect Crestron light fixtures and Crestron compatible third-party light fixtures quickly with the RJ-45 adapters. Verify the system immediately by testing lighting loads with local controls. Once connected to a Crestron Home processor, DMX-C allows for lighting loads to be automatically addressed and discovered using the fixture identify tool.

Local Control

Adjust intensity or turn all connected fixtures on and off through local control on the DIN-GWDL.

Specifications

Supported Fixtures

Crestron light fixtures

Crestron compatible third-party light fixtures

Data Storage

Removable MicroSD Card (supplied)

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Communications

DMX-C	Supports discovery, auto-addressing and fixture data; DMX-C communications with Crestron light fixtures and Crestron compatible third-party light fixtures
Ethernet	100BASE-TX Ethernet; Static IP or DHCP

Connections

LAN PoE Class 2	(1) 8-pin RJ-45 connector, female; 100BASE-TX Ethernet port; PoE (Power over Ethernet) PD (Powered Device)
9-48VDC	(1) 3-pin 5.18 mm terminal block; 9 - 48VDC, 5 W max; Use only when not powering the device using PoE
DMX 1-2	(2) 3-pin 5.18 mm terminal blocks; Isolated DMX-C outputs; One universe split between two ports; Each output supports up to 32 directly connected devices

Wiring:

Use shielded CAT5 wire or better with a shielded connector, do not connect drain to ground;
24 AWG minimum;
RJ-45 to 3-pin adapters included to make CAT5 STP connections;
Daisy chain all fixtures, do not create loops;
1,000 ft (305 m) maximum per output

Termination:

Terminate all daisy chain runs with the termination resistor included with the fixtures;

Terminate the connection to a DIN-GWDL-SPLTR with the 120 Ω termination resistor included with the DIN-GWDL-SPLTR between the + and - pins on the terminal block that connects to DMX IN

INPUTS and OUTPUTS

(1) 8-pin 5.18 mm terminal block, shared between INPUTS and OUTPUTS

INPUTS 1-2:

(2) inputs for contact closure, INPUT 1 contact controls Override mode and INPUT 2 contact controls the lights when Override mode is on;
INPUT 1: When the contact is closed, Override mode is turned on. When the contact is open, Override mode is turned off and the lights operate normally;
INPUT 2: When the contact is closed, the lights turn off. When the contact is open, the lights turn on

OUTPUTS 1-2:

(2) individually isolated (1KV) relay outputs (48V 250mA);
Repeats signal from corresponding INPUT 1 or 2;
Connect to additional DIN-GWDL INPUTS or other device override inputs

N/A

Not used

Controls and Indicators

MODE Rotary Dial	(1) Dial for selecting different test modes for DMX-C outputs
SELECT Button	(1) Push button function varies based on test mode selected
RESET Button	(1) Recessed push button for software reset
PWR LED	(1) Red LED indicates operating power is supplied
ACTIVE LED	(1) Red LED indicates device is active
ETHERNET LED	(1) Red LED indicates ethernet activity
I/O LED	(1) Red LED flashes when a change occurs on the INPUT or OUTPUT terminals
N/A LED	Not used
DMX LED	(1) Red LED indicates DMX-C activity
OUTPUT LED	(1) Red LED indicates that the device is actively controlling the lights

Power

PoE	IEEE 802.3af Class 2 (6.49 W) compliant; Use CEN-SW-POE-5 or other IEEE 8.2.3af compliant PSE
Power Pack (Optional)	9-48VDC; Use Crestron power supplies PW-2407-RU , PW-2407WUL , DIN-PWS60 , DIN-PWS30-277 (all sold separately)
Power Consumption	5 W max

DIN-GWDL

Digital Lighting Gateway, DIN Rail Mount

Environmental

Temperature	32° to 122°F (0° to 50°C)
Humidity	10% to 90% RH (noncondensing)

Construction

Mounting	6 unit wide DIN rail mounting enclosure (DIN43880 / EN60715 (35/7.5 rail))
Ingress Protection	IP40

Dimensions

Height	3.74 in. (95 mm); 4.96 in. (126 mm) with terminal blocks and RJ-45 adapters
Width	4.23 in. (108 mm)
Depth	1.73 in. (44 mm)

Weight

0.44 lb (0.2 kg)

Compliance

FCC, IC, CE, and UL® listed

To search for product certificates, refer to support.crestron.com/app/certificates.

Model

DIN-GWDL
Digital Lighting Gateway, DIN Rail Mount

Available Accessories

For a list of available accessories, visit the [DIN-GWDL](#) product page.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.

The specific patents that cover Crestron products are listed online at patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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