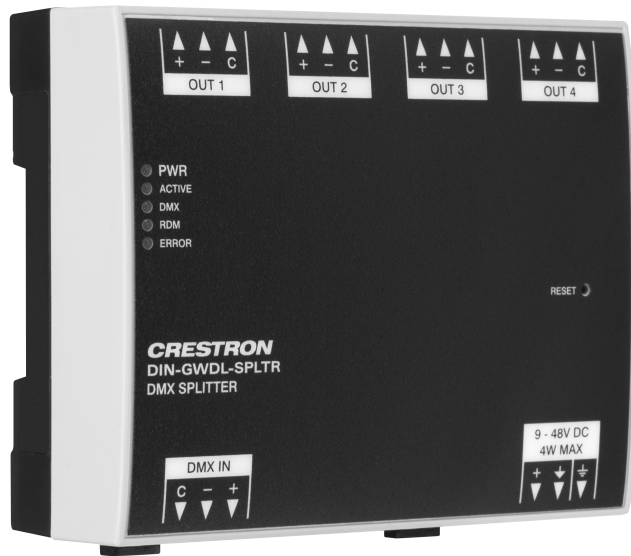# DIN-GWDL-SPLTR

Digital Lighting Splitter, 4 Channel, DIN Rail Mount

- *Designed exclusively for Crestron Home® OS*
- *Provides 4 outputs, each supporting up to 32 directly connected Crestron light fixtures and Crestron compatible third-party light fixtures*
- *Expands the capability of the DIN-GWDL to support up to 85 Crestron light fixtures and Crestron compatible third-party light fixtures*
- *Expands wire run maximum 1000 ft (305 m) beyond the DIN-GWDL*
- *RJ-45 adapters included for quick wiring using standard CAT5 cable*
- *Order using the Crestron Light Fixture Configuration Tool*
- *6U 35 mm DIN rail mountable*

The DIN-GWDL-SPLTR expands the capability and flexibility of the DIN-GWDL by providing four additional outputs for Crestron light fixtures and Crestron compatible third-party light fixtures.

Use the Crestron Light Fixture Configuration Tool to order.

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 Fixtures

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 through a DIN-GWDL, DMX-C allows for lighting loads to be automatically addressed and discovered using the fixture identify tool.

Specifications

Supported Fixtures

Crestron light fixtures

Crestron compatible third-party light fixtures

Communications

DMX-C	Supports discovery, auto-addressing and fixture data; DMX-C communications with Crestron light fixtures and Crestron compatible third-party light fixtures

Connections

9-48VDC	(1) 3-pin 5.18 mm terminal block; 9 - 48VDC, 4 W Max;
DMX IN	(1) 3-pin 5.18 mm terminal block; Connect to DMX 1 or DMX 2 of DIN-GWDL
	Termination: 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

CRESTRON®

OUT 1-4	(4) 3-pin 5.18 mm terminal blocks; Isolated DMX-C outputs; One universe split between four 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

Controls and Indicators

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
DMX LED	(1) Red LED indicates DMX-C activity
RDM LED	(1) Red LED indicates RDM activity
ERROR LED	(1) Red LED indicates an error

Power

Power Pack	9-48VDC; Use Crestron power supplies PW-2407-RU, PW-2407WUL, DIN-PWS60, DIN-PWS30-277 (all sold separately)
Power Consumption	4 W max

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); 5.62 in. (143 mm) with terminal blocks and RJ-45 adapters
Width	4.23 in. (108 mm)
Depth	1.57 in. (40 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-SPLTR
Digital Lighting Splitter, 4 Channel, DIN Rail Mount

Available Accessories

For a list of available accessories, visit the DIN-GWDL-SPLTR product page.

4.23 in.
(108 mm)

3.74 in.
(95 mm)

3.54 in.
(90 mm)

OUT 1   OUT 2   OUT 3   OUT 4

PWR
ACTIVE
DMX
RDM
ERROR

RESET

CRESTRON
DIN-GWDL-SPLTR
DMX SPLITTER

DMX IN
C   –   +

9 - 48V DC
4W MAX

1.57 in.
(40 mm)

CRESTRON