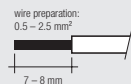


**Wiring type and cross section**  
The wiring can be solid wire, stranded wire or stranded wire with end sleeve with a cross-section of 0.5 to 2.5 mm<sup>2</sup>.



**Product description**

- Independent lighting control for up to 256 DALI gears on 4 DALI lines
- Can be expanded by connecting multiple gateways on the same network
- Cloud based web interface for configuration and monitoring
- Setup via mobile App or Cloud service
- Connects to Tridonic DALI Interface RS232 PS/S (22176712)
- Cross DALI line control
- Freely programmable daily scheduling with calendar function
- DALI emergency lighting unit test scheduling and monitoring via the connecDIM Cloud

**Technical data**

Rated supply voltage	9 – 48 V DC
Power	3.6 W (300 mA @ 12 V DC)
DALI Interface RS232 PS/S Ports	4 x RJ45 Serial Ports
Ethernet Port	1 x 10/100 Ethernet Port
Status indicators LED	Power, Ready, Ethernet, Serial Port
Operating Temperature	0 ... +70°C
Mounting	Tabs with screw terminals; DIN rail kit available
Casing Material	Fanless Metal Casing
Type of Protection	IP20

**LED**

**Ready LED**

After Power ON, Gateway starts booting. Once system is boot up, the Ready LED will show solid green.

**Link/Act LED**

When Ethernet port is connected to the network, Link/Act will show solid green and if there is traffic in the Ethernet, this LED will flash.

**Serial Port LED**

These four dual colour LEDs indicate the data traffic at the serial ports. When RXD line is high then Green light is ON and when TXD line is high, Yellow light is ON.

**Power Connector**

Connect the 9 to 48VDC power line to Gateway. If the power is properly supply, the power LED will show a solid green colour.

**Serial Port**

**Serial Port Line 1 to Line 4**

The four serial ports are configured to RS-232 and can be connected to TRIDONIC DALI Interface RS232 PS/S (22176712). They use RJ45 connector and the pin assignment is shown as following table.



Please note standard patch cables can not be used! Refer also to the product datasheet TRIDONIC DALI Interface RS232 PS/S (22176712). Available online [www.tridonic.com](http://www.tridonic.com).

Please ensure that correct RJ45 connector is plugged to the Gateway and to RS232 DALI Interface. The cables supplied are clearly marked with "BOX".

Box is the connector that goes in to the Gateway and the other side goes in to the DALI Interface RS232 PS/S. If wrong plug no function is given. Max. length of this cable is 5 m.

**Overview**

The connecDIM system consists of a single four-channel RS232 Ethernet gateway connected to Tridonic DALI Interface RS232 PS/S and a wireless router. This enables 4 x 64 DALI devices to be networked and this DALI circuit to be controlled as a whole, thanks to controllers connected to the DALI circuit with mobile devices (iOS or Android operating system), irrespective of whether T5, T8, LED or Tunable White DALI devices are used. The system can be expanded to more than 4 DALI lines by connecting multiple connecDIM gateways to the network. This allows local DALI control devices such as DALI XC or DALI MSensors to control multiple devices on multiple DALI lines. The connecDIM system is a simple solution for providing DALI control over multiple DALI lines.

It also enables DALI system to be commissioned without having to use a laptop or dedicated software. Two apps are available for the connecDIM System. connecDIMArchitect, commissioning app, available for iOS and connecDIMLITE, end-user app, available for iOS and Android. Existing DALI applications can be simply upgraded by replacing the DALI power supply with DALI Interface RS232 PS/S and connecting the connecDIM Gateway. If an internet connection is used the system can be easily made available on the connecDIM cloud.

**Safety instructions**



The device may only be used for the application area specified.

Relevant health and safety regulations must be observed.

The voltage supply must be disconnected when the device is being assembled and installed.

Only qualified personnel may assemble, install and commission the device.

Don't use the DALI Interface RS232 PS/S with other voltage delivering devices (e.g. DALI PS).

For additional informations about the connecDIM System please refer to the connecDIM product web page available online under [www.tridonic.com](http://www.tridonic.com) or [connecDIM.com](http://connecDIM.com)

