



## 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
- Simple setup via mobile App or Cloud service
- Status LED on the controller
- Connects to Tridonic DALI Interface RS232 PS/S (22176712)
- Works with Tridonic DALI comfortDIM portfolio
- Cross DALI line control with DALI XC, DALI touchPANEL and DALI MSensor
- Freely programmable daily scheduling with calendar function
- DALI emergency lighting unit test scheduling and monitoring via the connecDIM Cloud
- Cloud based maintenance, email alerts, predictive warnings and visual monitoring
- Open JSON-RPC TCP control protocol for linking to building automation systems

## 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 the Tridonic DALI Interface RS232 PS/S and a wireless router. This enables 4 x 64 DALI control gears regardless of T8 or T5 Ballasts, latest LED technologies like tunable white luminaires to be connected and controlled through hard wired control devices or iPad / iPhone wireless devices. 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 to enable DALI control over multiple DALI lines. It also enables commissioning DALI without having to use a laptop or dedicated software. Existing DALI application can be simply upgraded by exchanging the DALI power supply with the DALI Interface RS232 PS/S and connecting the connecDIM Gateway. When an Internet connection is provided, with a few simple gestures the system is 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).

An other method to test if a further voltage delivering device is in the DALI signal wire:  
DALI Interface RS232 PS/S connect without mains supply to the DALI signal wire. If the power LED and the status LED are on despite without mains supply of the DALI Interface RS232 PS/S (typically green) then it is a forbidden supply of the DALI signal wire through an other device.

