

Product sheet

GST - DALI



Making buildings smart

Wirelessly control any make or type luminaire

The GST-DALI is a small smart lighting module with a single controller for DALI drivers and Wieland GST pluggable installation connectors.

With a GST-DALI you can easily control any DALI dimmable luminaire including DALI Type 8 (DT8) for Tuneable white and RGB(W) control. Also, remote monitoring of DALI emergency lighting is supported by the GST-DALI.

Technical summary

Mymesh is a fully mesh wireless network protocol in which the applied Mymesh components communicate with each other and automatically organise themselves into a fully integrated wireless sensor- and control network, resulting in a robust and scalable smart control system that inherently is the foundation for a smart building network.

Special features

- Dimming and switching of a wide range of lamps and LEDs
- 50% to 60% additional energy savings with automatic light control using motion detection and daylight harvesting
- Data logging of DALI dimmable and emergency lighting drivers

Easy Installation & commissioning

- Simple Wieland GST pluggable installation.
- The GST-DALI module clips into an included bracket which is secured with one screw or blind rivet.
- On-the-fly (re)commissioning with the Mymesh Bluetooth Gateway and Mymesh Commissioning app available in the Apple App store for iPad.

Network features

- Wireless, stand-alone network that is self-organizing and self-healing
- 2.4GHz communication for reliable data transfer
- Secure by design
- Ultra scalable to > 10,000 devices in one network
- Low energy consumption by using the latest RF technology
- Updates and new functionality can be installed with Over-The-Air updates.
- Cloud interface (API) available to connect with Building Automation Systems, dashboards, user apps and more.

Optional

- Connect to the Mymesh Management System for remote control, monitoring and management applications
- Connect to the Building Automation System for seamless integration with the buildings technical installations
- Connect to third party dashboards and apps

This product sheet is subject to change without notice.

Device Information

| Connections | | Environment | |
|-----------------------------|--|--------------------------|----------------------------|
| Rated input voltage | 100 - 240VAC, 50/60Hz | Operating Temp. | -25° to + 70°C |
| Input voltage range | 85 - 265VAC, 47 - 63Hz | Relative Humidity | 10% to 90% |
| DALI | Control device output (maximum of 3 control gears) | Installation Height | Max. 2000m above sea level |
| Mains input connector | GST18I3L S1H SW | | |
| DALI output connector | GST15I2L B1H W PB01 | | |
| Protection degree | | Certification | |
| GST-DALI | IP20 | ETSI EN 300 440 | |
| | | ETSI EN 300 328 | |
| | | ETSI EN 301 489-01/03/17 | |
| | | IEC EN 62368-1 | |
| | | RED / CE / UKCA | |
| Safety | | Housing | |
| Class II, Double insulation | | LxWxH | 92mm x 49.42mm x 20.17mm |
| Overvoltage category II | | Weight | Approx. 78.5 grams |
| Surge protection (1KV L/N) | | Material | ABS PA-765 |
| | | Colour | White |
| Energy Consumption | | Radio | |
| Typical | 0.2W | Band | 2.4GHz ISM band |
| Order Information | | | |
| GST-DALI | BLC.1802.001 | | |