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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 a DALI driver 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.

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Device Information

Connections	
Rated input voltage	100 - 240VAC, 50/60Hz
Input voltage range	85 - 265VAC, 47 - 63Hz
DALI	Control device output for one (emergency) luminaire
Mains input connector	GST18I3L S1H SW
DALI output connector	GST15I2L B1H W PB01

Protection degree	
GST-DALI	IP20

Safety
Class II, Double insulation
Overvoltage category II
Surge protection (1KV L/N)

Energy Consumption	
Typical	0.2W

Order Information	
GST-DALI	BLC.1802.001

Environment	
Operating Temp.	-25˚ to + 70˚C
Relative Humidity	10% to 90%
Installation Height	Max. 2000m above sea level

Certification
ETSI EN 300 440
ETSI EN 300 328
ETSI EN 301 489-01/03/17
IEC EN 62368-1
RED / CE / UKCA

Housing	
LxWxH	92mm x 49.42mm x 20.17mm
Weight	Approx. 78.5 grams
Material	ABS PA-765
Colour	White

Radio	
Band	2.4GHz ISM band