

Product sheet

GST - 0-10V

Making buildings smart

Description

The GST - 0-10V is a smart wireless 0-10V control module with 24VDC power supply for a 0-10V damper or valve actuator.

With a GST - 0-10V you can easily control per zone an individual damper actuator, 2-way or 6-way valve actuator.

Two 0-10V signals are available, one output and one input. Output for the controlled valve position and the input for the actual valve position. A wide range of HVAC applications is supported like VAV end devices and control valves for heating and cooling coils.

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.

Easy Installation & commissioning

- Simple Wieland GST pluggable installation.
- The GST 0-10V 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 selforganizing and self-healing
- 2.4GHz communication for reliable data transfer
- Secure by design
- Ultra scalable to > 10,000 devices in one network
- Updates and new functionality can be installed with Over-The-Air updates.
- Cloud interface (REST 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 Power Supply Single phase 230VAC (-/ - 10% 50Hz) Operating Temp25 10 - 70°C 24VDC output 3,0W max. Relative Humidity 10% to 90% Mains input connector GST18H3L S3H SW Installation Height Max 2000m above sea level 44VDC / 0-10V connector GST19H3L B3H W TB03 Certification GST-0-10V IP20 ETSI EN 300 440 ETSI EN 300 328 GST-0-10V IP20 ETSI EN 301 489-01/03/17 IEC EN 62368-1 RED / CE / UKCA Safety Housing Class II, Double insulation LxWxH 118.35mm x 49.42mm x 24.37mm Overvoltage category II Weight ABS PA-765 Colour White Energy Consumption Radio Typical 02W Band 2.4GHz ISM band Order Information BLC1805 001				
Name	Connections		Environment	
Mains input connector GST18I3L S1H SW Installation Height Max 2000m above sea level 24VDC / 0-10V connector GST15I5L B1H W TB03 Certification GST-0-10V IP20 ETSI EN 300 440 ETSI EN 300 328 ETSI EN 301 489-01/03/17 IEC EN 62368-1 RED / CE / UKCA Housing Class II, Double insulation LxWxH 118.35mm x 49.42mm x 24.37mm Overvoltage category II Weight Approx. 123 gram Surge protection (IKV L/N) Material ABS PA-765 Colour White Energy Consumption Radio Typical 0.2W Band 2.4GH2 ISM band Order Information Day	Power Supply	Single phase 230VAC (+/- 10% 50Hz)	Operating Temp.	-25° to + 70°C
Connector GSTBIJL_SIH SW Height Max. 2000m above seal level	24VDC output	3.0W max.	Relative Humidity	10% to 90%
Connector Certification GST-0-10V IP20 ETSI EN 300 440 ETSI EN 300 328 ETSI EN 301 489-01/03/17 IEC EN 62368-1 RED / CE / UKCA Safety Class II, Double insulation LxWxH 118.35mm x 49.42mm x 24.37mm Overvoltage category II Weight Approx. 123 gram Surge protection (1KV L/N) Material ABS PA-765 Colour White Energy Consumption Radio Order Information		GST18I3L S1H SW		Max. 2000m above sea level
ETSI EN 300 440 ETSI EN 300 328 ETSI EN 301 489-01/03/17 IEC EN 62368-1 RED / CE / UKCA Housing Class II, Double insulation Overvoltage category II Weight Approx. 123 gram Weight ABS PA-765 Colour White Energy Consumption Typical 0.2W Band 2.4GHz ISM band Order Information	-	GST15l5L B1H W TB03		
ETSI EN 300 328 ETSI EN 301 489-01/03/17 IEC EN 62368-1 RED / CE / UKCA Housing	Protection degre	ee	Certification	
ETSI EN 301 489-01/03/17 IEC EN 62368-1 RED / CE / UKCA Housing LxWxH 118.35mm x 49.42mm x 24.37mm Overvoltage category II Weight Approx. 123 gram Material ABS PA-765 Colour White Energy Consumption Radio Typical 0.2W Band 2.4GHz ISM band Order Information	GST-0-10V	IP20	ETSI EN 300 440	
IEC EN 62368-1 RED / CE / UKCA Housing Class II, Double insulation Divervoltage category II Weight Approx. 123 gram Material ABS PA-765 Colour White Energy Consumption Radio Typical 0.2W Band 2.4GHz ISM band Order Information			ETSI EN 300 328	
RED / CE / UKCA Safety Housing LxWxH 118.35mm × 49.42mm × 24.37mm Overvoltage category II Weight Approx. 123 gram Material ABS PA-765 Colour White Energy Consumption Radio Typical 0.2W Band 2.4GHz ISM band Order Information			ETSI EN 301 489-01	/03/17
Class II, Double insulation LxWxH LxWxH 118.35mm x 49.42mm x 24.37mm Overvoltage category II Weight Approx. 123 gram Material ABS PA-765 Colour White Energy Consumption Radio Typical 0.2W Band 2.4GHz ISM band Order Information			IEC EN 62368-1	
Class II, Double insulation LxWxH 118.35mm x 49.42mm x 24.37mm Weight Approx. 123 gram Material ABS PA-765 Colour White Energy Consumption Typical 0.2W Band 2.4GHz ISM band Order Information			RED / CE / UKCA	
Overvoltage category II Weight Approx. 123 gram Surge protection (1KV L/N) Material ABS PA-765 Colour White Energy Consumption Radio Typical 0.2W Band 2.4GHz ISM band Order Information	Safety		Housing	
Surge protection (1KV L/N) Material ABS PA-765 Colour White Energy Consumption Radio Typical 0.2W Band 2.4GHz ISM band Order Information	Class II, Double in	sulation	LxWxH	
Colour White Energy Consumption Radio Typical 0.2W Band 2.4GHz ISM band Order Information	Overvoltage cate	gory II	Weight	Approx. 123 gram
Energy Consumption Radio Typical 0.2W Band 2.4GHz ISM band Order Information	Surge protection (1KV L/N)		Material	ABS PA-765
Typical 0.2W Band 2.4GHz ISM band Order Information			Colour	White
Order Information	Energy Consumption		Radio	
	Typical	0.2W	Band	2.4GHz ISM band
GST-0-10V BLC.1805.001	Order Informatio	n		
	GST-0-10V	BLC.1805.001		