DALI-2 to KNX TP PRO Gateway

Item number: INKNXDAL0640300

The Intesis DALI-2 to KNX TP PRO Gateway is a multi-master application controller for DALI-2 ballast integration into a KNX system. It enables standard switching/dimming, color control, emergency lighting management, and operating hours recording, with error analysis for interoperability in building automation setups.



DALI-2 to KNX - 1 DALI channel

Features and benefits

- **Interoperability between DALI-2 and KNX systems**
  Multiple configuration methods are available: ETS+DCA, web interface, and directly on the device. The gateway is DALI-2 and KNX certified.
- **Full lighting control for the building user's comfort**
  Broadcast control, group control, and single ECG control.
- **Reliable Emergency Lighting management**
  Supports single-battery emergency lights (EN 62386-202) and central battery emergency lighting systems.
- **IoT and Smart Building Ready**
  MQTT / IoT compatibility, allowing integration with IoT platforms and smart building systems.
- **Simplified installation without extra power supply**
  Embedded DALI Power Supply for the connected devices.
- **Advanced Human-Centric Lighting (HCL) setup for occupants' wellness**
  Color control features include RGBW, tunable white, HSV color control, and x/y – Color Space.
- **Enhanced security for data communication**
  KNX Data Secure is supported, ensuring safe and encrypted communication in building automation networks.
- **Flexible input device support for automation**
  Supports motion/brightness sensors, push buttons, and generic inputs for customizable automation and control. Virtual Input Devices can be settled.

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General

Capacity	1 DALI channel
Net Width (mm)	88
Net Height (mm)	90
Net Depth (mm)	58
Net Weight (g)	194
Packed Width (mm)	125
Packed Height (mm)	65
Packed Depth (mm)	140
Packed Weight (g)	356
Operating Temperature °C Min	0º
Operating Temperature °C Max	60º
Storage Temperature °C Min	-25
Storage Temperature °C Max	55
Power Consumption (W)	8
Input Voltage (V)	100 to 240 V, 50 to 60Hz AC or DC
Power Connector	3-pole
Isolation Voltage (kV)	Double Insulation (5,3kV) between KNX-MAINS/ DALI-MAINS / KNX-DALI Safety Insulation (4kV) Between IP-DALI
Configuration	Configured using ETS+DCA, web interface, and push buttons on the device.
Installation Conditions	This gateway is designed to be mounted inside an enclosure. If the unit is mounted outside an enclosure, precautions should always be taken to prevent electrostatic discharge to the unit. When working inside an enclosure (e.g., making adjustments, setting switches, etc.), typical anti-static precautions should always be followed before touching the unit.

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General

Content of Delivery	Intesis gateway, instalation manual and 1 heat shrinkable tubing 1.2 x 2cm for the bus cable.
Mounting	DIN rail mount (bracket included), Wall mount
Housing Materials	Plastic
Warranty (years)	3 years
Packaging Material	Cardboard

Identification and Status

Product ID	INKNXDAL0640300
Predecessor	INKNXDAL0640200
Country of Origin	Germany
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN) (Applies only to the U.S)	EAR99

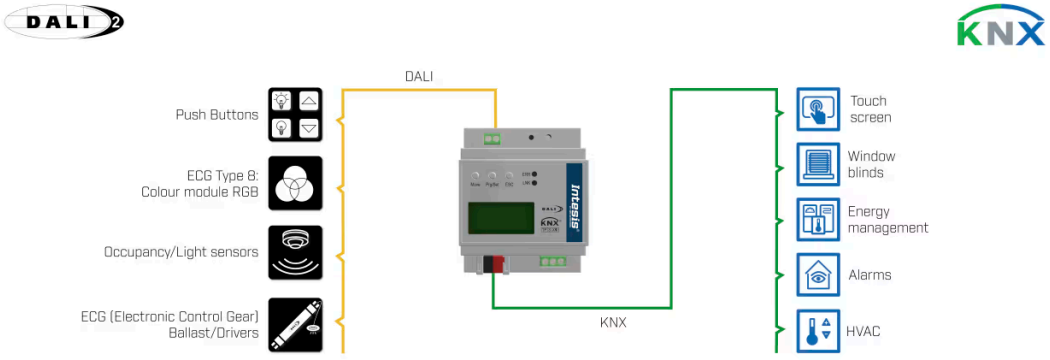
Physical Features

Connectors / Input / Output	Power supply, DALI, Ethernet, KNX.
LED Indicators	Gateway and communication status.
Contains Battery	No

Certifications and Standards

Product Certifications	CE, KNX, DALI-2
WEEE Category	IT and telecommunications equipment

Use Case



Integration example.