

## 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.

# DALI-2 to KNX TP PRO Gateway



General	
Net Width (mm)	72
Net Height (mm)	90
Net Depth (mm)	58
Net Weight (g)	157
Packed Width (mm)	134
Packed Height (mm)	84
Packed Depth (mm)	106
Packed Weight (g)	236
Operating Temperature °C Min	-5
Operating Temperature °C Max	45
Storage Temperature °C Min	-25
Storage Temperature °C Max	55
Power Consumption (W)	8W
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	Multiple configuration methods are available: ETS+DCA, web interface, and directly on the device.
Capacity	Up to 64 ECGs plus up to 8 DALI-2 motion detectors or light sensors can be individually controlled. According to EN 62386-103 ed2, the gateway supports multi-master operation. The ECGs can also be controlled in 16 groups.
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.



## General

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

## Identification and Status

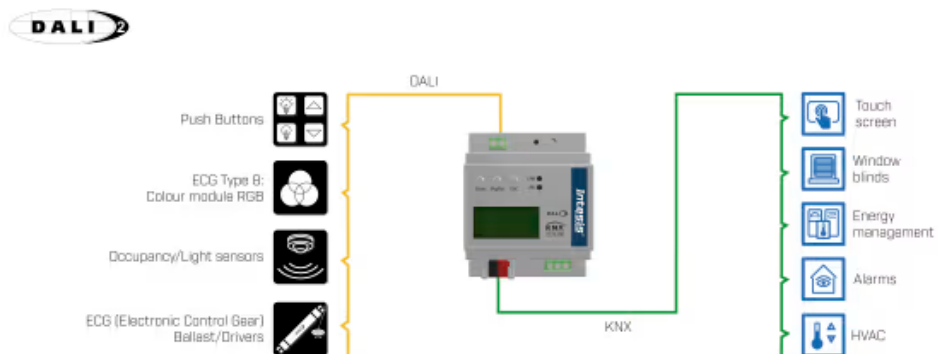
<b>Product ID</b>	INKNXDAL0640300
<b>Predecessor</b>	INKNXDAL0640200
<b>Country of Origin</b>	Germany
<b>HS Code</b>	8517620000
<b>Export Control Classification Number (ECCN)</b>	EAR99
<b>Purchasing Multiple ERP</b>	1

## Certifications and Standards

<b>ETIM Classification</b>	EC001604
<b>WEEE Category</b>	IT and telecommunications equipment



## Use Case



Integration example.