DALI-2 to Modbus TCP Server Gateway

Item number: INMBSDAL0640500

Integrate any DALI/DALI-2 driver and DALI-2 light sensor or occupancy sensor with a Modbus BMS or any Modbus TCP controller. This integration aims to make DALI devices and their data and resources accessible from a Modbus-based control system or device as if they were a part of the Modbus system and viceversa.



DALI-2 to Modbus TCP - 1 DALI channel

Features and benefits

- **Up to six concurrent Modbus TCP clients supported**
  The gateway supports up to six simultaneous Modbus TCP clients.
- **Easy DALI commissioning/integration w/Intesis MAPS**
  Integration and DALI commissioning processes are managed via the Intesis MAPS configuration tool.
- **Integrated DALI power supply**
  A DALI power supply is integrated into the gateway, so no external power supply is required.
- **10000 total signals max, 230 mA current guaranteed**
  Up to 10,000 signals can be defined in total, with a guaranteed output current of 230 mA.
- **Commissioning-friendly approach with Intesis MAPS**
  Templates can be imported and reused as often as needed, significantly reducing commissioning time.
- **DALI/DALI-2 drivers & DALI-2 Input devices Support**
  DALI/DALI-2 driver, DALI-2 input device support: push buttons, absolute Eingaben, occupancy/light sensors.
- **Max 64 drivers/ballasts + 64 DALI-2 input devices**
  Supports up to 64 drivers/ballasts + 64 DALI-2 input devices (sensors/push buttons/absolute inputs).

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General

Net Width (mm)	115
Net Height (mm)	130
Net Depth (mm)	100
Net Weight (g)	167
Packed Width (mm)	127
Packed Height (mm)	86
Packed Depth (mm)	140
Packed Weight (g)	269
Operating Temperature °C Min	0
Operating Temperature °C Max	60
Storage Temperature °C Min	-30
Storage Temperature °C Max	60
Power Consumption (W)	5
Input Voltage (V)	24VDC/AC +/-10%6W(250mA)
Power Connector	3-pole
Configuration	Intesis MAPS
Capacity	1 DALI channel: Up to 64 drivers/ballasts and 64 DALI-2 input devices (sensors, push buttons or absolute inputs). Up to 10000 signals in total.
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.
Content of Delivery	Intesis Gateway, Installation Manual.

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General

Not Included (in delivery)	Power supply not included.
Mounting	DIN rail mount (bracket included)
Housing Materials	Plastic
Warranty (years)	3 years
Packaging Material	Cardboard

Identification and Status

Product ID	INMBSDAL0640500
Country of Origin	Spain
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99

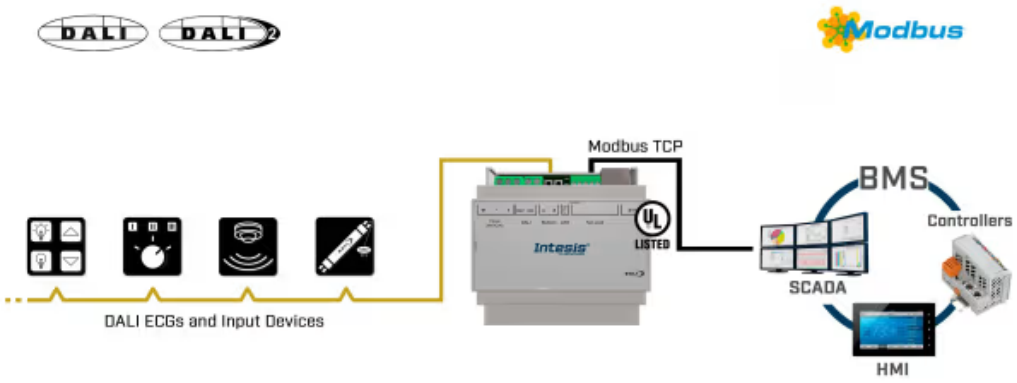
Physical Features

Connectors / Input / Output	Power supply, DALI, Ethernet.
LED Indicators	Gateway and communication status.

Certifications and Standards

ETIM Classification	EC001604
WEEE Category	IT and telecommunications equipment

Use Case



Integration of DALI drivers and sensors into a Modbus installation.