

## 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).



| 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)           | 85                                                                                                                                                                                                                                                                                                                                                                   |
| Packed Depth (mm)            | 140                                                                                                                                                                                                                                                                                                                                                                  |
| Packed Weight (g)            | 356                                                                                                                                                                                                                                                                                                                                                                  |
| Operating Temperature °C Min | 0°                                                                                                                                                                                                                                                                                                                                                                   |
| Operating Temperature °C Max | 60°                                                                                                                                                                                                                                                                                                                                                                  |
| Storage Temperature °C Min   | -30                                                                                                                                                                                                                                                                                                                                                                  |
| Storage Temperature °C Max   | 60                                                                                                                                                                                                                                                                                                                                                                   |
| Input Voltage (V)            | 24VDC/AC +/-10%6W(250mA)                                                                                                                                                                                                                                                                                                                                             |
| Power Connector              | 3-pole                                                                                                                                                                                                                                                                                                                                                               |
| Configuration                | Intesis MAPS                                                                                                                                                                                                                                                                                                                                                         |
| 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 and installation manual.                                                                                                                                                                                                                                                                                                                             |
| Not Included (in delivery)   | Power supply not included.                                                                                                                                                                                                                                                                                                                                           |



## General

|                    |                                   |
|--------------------|-----------------------------------|
| Mounting           | DIN rail mount (bracket included) |
| Housing Materials  | Plastic                           |
| Warranty (years)   | 1 years                           |
| Packaging Material | Cardboard                         |

## Identification and Status

|                   |                 |
|-------------------|-----------------|
| Product ID        | INMBSDAL0640500 |
| Country of Origin | Spain           |
| HS Code           | 8517620000      |
| Dual Usage        | No              |

## Physical Features

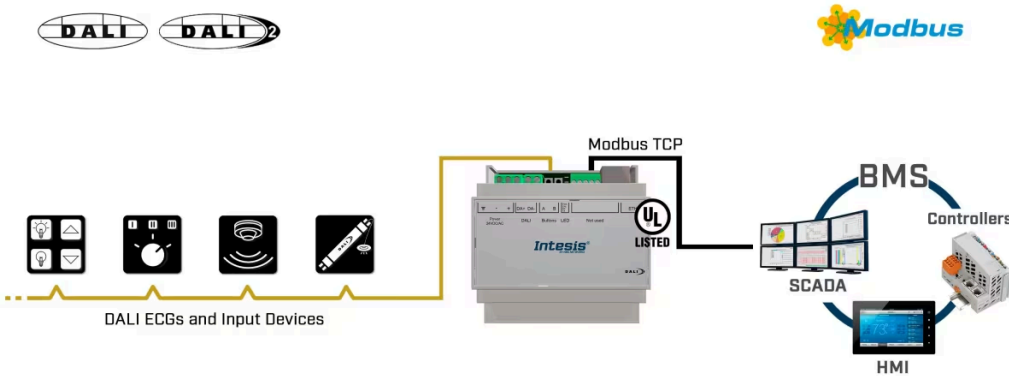
|                             |                                   |
|-----------------------------|-----------------------------------|
| Connectors / Input / Output | Power supply, DALI, Ethernet.     |
| LED Indicators              | Gateway and communication status. |
| Contains Battery          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

## Certifications and Standards

|                        |                                     |
|------------------------|-------------------------------------|
| Product Certifications | CE, CB, UKPSTI, UL, KC, DALI-2      |
| WEEE Category          | IT and telecommunications equipment |



Use Case



Integration example.