

## KNX DALI Gateway– Technical Documentation

# MES-DALI-64



### Features:

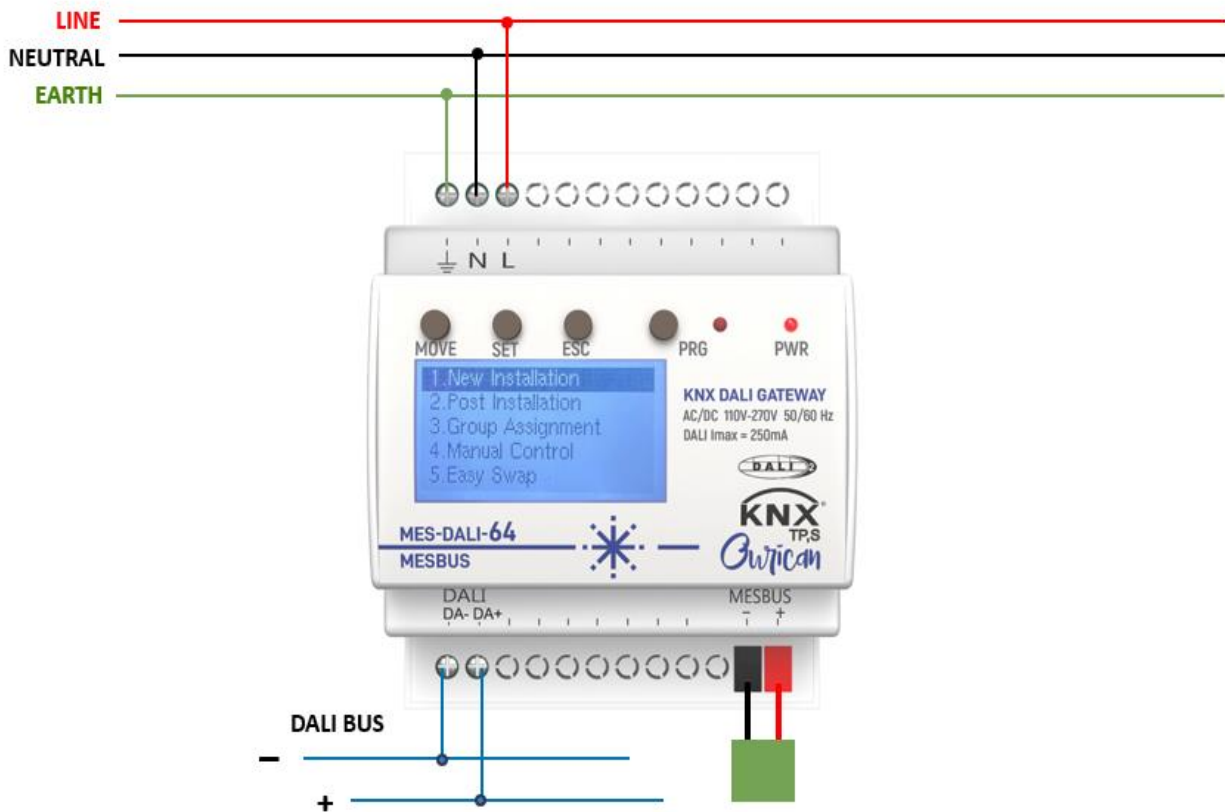
- 1 DALI outputs for max. 1 x 64 ECGs
- Individual control of up to 64 ECGs/16 DALI groups
- Supports DALI and DALI-2 standard, as well as DALI DT6/DT8 ECG
- Tunable White, color temperature control
- Feedback of switching condition and brightness level in both bus and manual operation.
- 16 KNX Scene functionality
- Fault detection of lamp faults.
- Individual DALI devices can be replaced during operation without software.
- Integrated DALI Power supply
- Short Circuit, Overload Protection.
- LCD display for menu guidance during start-up and parameter settings
- Free Utility software for commissioning the DALI bus system and configuration of the groups.
- Din rail mount assembly.

General Product Specifications				
Type of Device		Electric control operation device		
MESBUS Supply	Voltage (typical)		29VDC SELV	
	Voltage Range		21-31 VDC	
	Maximum Consumption	Voltage	mA	mW
		29VDC (typical)	10	290
Bus Connection		Typical Bus Connector TP1, 0.8 mm <sup>2</sup> section		
Operating temperature		0 – 70 °C		
Storage Temperature		-25 to + 75°C		
Ambient Humidity		5 to 95% RH (No Condensation)		
Storage Humidity		5 to 95% RH (No Condensation)		
Usage		Indoor, to be mounted inside distribution boxes or Electrical panels with DIN rail		
IP Class		IP 20		
Dimension		71.3 (L) X 90.5 (H) X 62 (D) mm [4 DIN Units]		

Power Failure Response	Data saving
Operation Indication	1 Programming LED indicates programming mode (Red).

Technical Specifications	
No. of Channels	1 Channel
External supply	180 V AC/DC - 270 V AC/DC, 50 Hz - 60 Hz
Power Consumption	6W
Guaranteed supply current	220 mA
Maximum supply current	250 mA
DALI Voltage	Typical 18VDC (12...20.5)
Short Circuit & Overload Protection	Available
Max ECG Devices	Up to 64 Devices

### Wiring Diagram



### SAFETY INSTRUCTIONS

- Installation should only be performed by qualified professionals according to the laws and regulations.
- Do not connect the mains voltage nor any other external voltage to any point of the MESBUS connector. It would represent a risk for the entire system. The facility must have enough insulation between the mains (or auxiliary) voltage and the MESBUS or the wires of other accessories, in case of being installed.
- Once the device is installed (in the panel or box), it must not be accessible from outside.
- Keep the device away from water and do not cover it with clothes, paper or any other material while in use. 