

FEATURES

- Possibility of controlling up to 64 DALI ballasts and up to 32 lighting groups.
- Scene sending and saving.
- Error detection and monitoring.
- Burn-in, Stand-by and Auto-off functions.
- Manual control through buttons and status indication through display.
- 1.54" display (128 x 64 pixels) used for setting and notifications.
- External power supply of 110/230V 50/60Hz.
- Total data saving on KNX bus failure.
- Integrated KNX BCU.
- Size 67 x 90 x 79mm (4.5 DIN units).
- DIN rail assembly (EN 50022), through pressure.
- DALI Standard compatible
- Conformity with the CE directives.

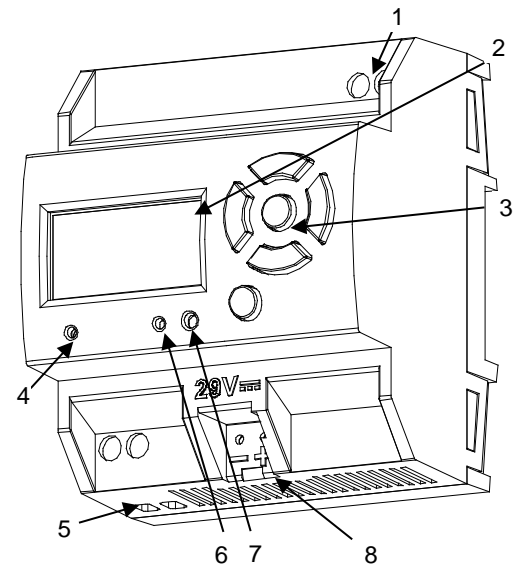


Figure 1. DALIBOX Interface 64/32

1. DALI bus output	2. Display	3. Control buttons	4. Power supply indicator LED
5. External power supply	6. Programming indicator LED	7. Programming button	8. KNX connector

Programming button: short button press to set programming mode. If this button is held while plugging the device to the KNX bus, it enters into safe mode.

Programming LED: programming mode indicator (red). When the device enters into safe mode, it blinks (red) every half second. The manual mode is indicated by the green color. During the start-up (reset or after KNX bus failure) and if the device is not in safe mode, it emits a red flash.

GENERAL SPECIFICATIONS

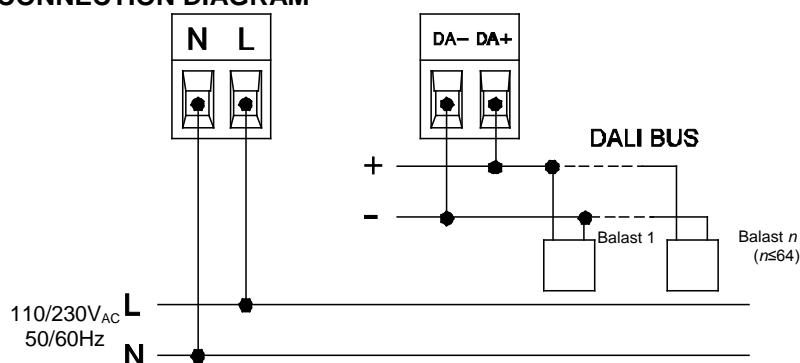
CONCEPT			DESCRIPTION	
Type of device			Electric operation control device	
KNX supply	Voltage (typical)		29VDC SELV	
	Voltage range		21...31VDC	
	Maximum consumption	Voltage	mA	mW
		29VDC (typical)	12.5	362.5
		24VDC ⁽¹⁾	15	360
Type of connection		Typical bus connector TP1, 0.80mm ø		
Ext. power supply	Voltage and frequency		110/230VAC 50/60Hz	
	Maximum consumption		100mA	
Operation temperature			from 0°C to +45°C	
Storage temperature			from -20°C to +55°C	
Operation humidity			5 to 90% RH (no condensation)	
Storage humidity			5 to 90% RH (no condensation)	
Complementary characteristics			Class B	
Protection class			II	
Operation type			Continuous operation	
Device action type			Type 1	
Electrical stress period			Long	
Degree of protection			IP20, clean environment	
Installation			Independent device to be mounted inside electrical panels with DIN rail (EN 50022).	
Minimum clearances			Not required	
Response on KNX bus failure			Data saving according to parameterization	
Response on KNX bus restart			Data recovery according to parameterization	
Operation indication			The programming LED indicates programming mode (red). The power supply LED indicates external power (green). Display allows both configuring the DALI system and supervising the current status.	
Weight			180g	
PCB CTI index			175V	
Housing material			PC FR V0 halogen free	

⁽¹⁾ Maximum consumption in the worst case scenario (KNX Fan-In model)

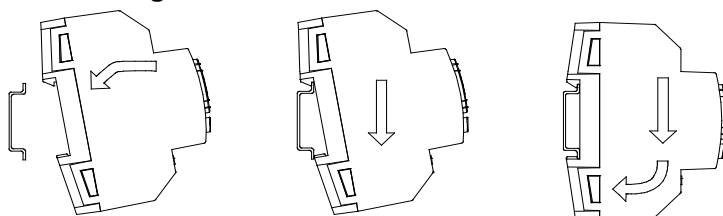
DALI OUTPUT SPECIFICATIONS AND CONNECTIONS	
CONCEPT	DESCRIPTION
Number of outputs	1
Output type	DALI bus
Output voltage	17VDC SELV
Maximum current per output	128mA
Maximum number of ballasts per output	64
Maximum number of groups per output	32
Maximum length of cable	300m (considering 1.5mm ²)
Short-circuit protection	YES
Overload protection	YES
Overvoltage protection	YES
Connection method	Screw terminal block
Cable cross-section	0.5 to 4 mm ² (26-10 AWG)

EXTERNAL POWER SUPPLY SPECIFICATIONS AND CONNECTIONS		
CONCEPT		DESCRIPTION
Fuse protection of supply to DALI power source	Voltage	250VAC
	Current	4A
	Response type	F (Fast acting)
Connection method		Screw terminal block
Cable cross-section		0.5 to 4mm² (26-10AWG)

CONNECTION DIAGRAM



Attaching DALIBOX Interface 64/32 to DIN rail:



Removing DALIBOX Interface 64/32 from DIN rail:

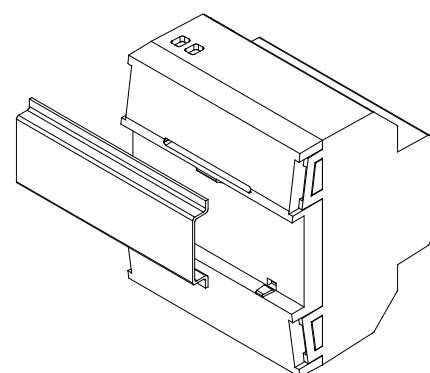
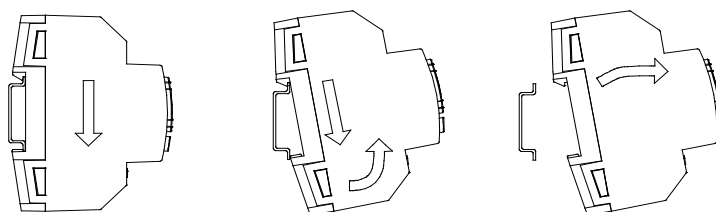


Figure 2. Mounting DALIBOX Interface 64/32 on a DIN rail



SAFETY INSTRUCTIONS

- Installation should only be performed by qualified professionals according to the laws and regulations applicable in each country.
- Do not connect the mains voltage nor any other external voltage to any point of the KNX bus; it would represent a risk for the entire KNX system. The facility must have enough insulation between the mains (or auxiliary) voltage and the KNX bus or the wires of other accessories, in case of being installed.
- The facility must be equipped with a device that ensures the omnipolar sectioning. Installation of a 10A mini-circuit-breaker is recommended. To prevent accidents, it must remain open in case of manipulation of the device.
- The device has a short-circuit protection fuse that, in case of activation, should only be rearmed or replaced by Zennio technical service.
- 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.
- The WEEE logo means that this device contains electronic parts and it must be properly disposed of by following the instructions at <http://zennio.com/weee-regulation>.

