

DA100

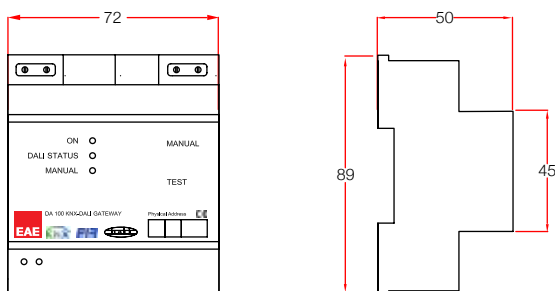
EAE KNX-DALI GATEWAY (16 Group Control)



General Specifications

- Device parameters can be configured via ETS3/ETS4/ETS5.
- DA100 KNX-DALI interface operates as a DALI-IEC 62386 standard compliant gateway between KNX line and DALI. DALI line power supply is available as integrated to the device.
- Maximum of 64 DALI devices can be connected to DALI outlet (electronic ballast, LED drive, ECK, sensor).
- The operations such as addressing, grouping, etc. of DALI devices are performed by means of Windows based DALI commissioning software (EAE DALI Commissioning Tool).
- DA100 provides the means for the recording of 16 DALI Group controls and 64 different lighting scenes.
- Each DALI group could be operated with fixed light, corridor and sequence functions.
- The functional and battery testing calendars are loaded on to DALI compliant emergency lighting fixtures to ensure that periodic tests are conducted. The results of the tests conducted are relayed over KNX line.
- DA100 can use up to 8 DALI sensors. Sensors can operate the corridor and fixed lighting functions over DALI Groups. It is possible to relay movement information and brightness value to KNX line.
- The error status of DALI devices can be received by means of different KNX communication objects on device and group basis.
- Intersecting DALI groups can be created.

Dimensions (mm)



Technical Information

Protection Type	IP 20	EN 60529	
Safety Class	II	EN 61140	
KNX Feed	Voltage range	21 - 30V DC, SELV	
	Current consumption	< 10mA	
External Feed	Voltage range	85 - 300V AC @ 50-60Hz	
	Power Consumption	≤ 8W	
	Current consumption	100mA @ 85V AC	
DALI Feed	Voltage range	16V DC ~	
	Current consumption	≤ 200mA	
Connections	Screw terminal	0,05 - 2,5mm ² single core cable 0,03 - 1,5mm ² multi core cable	
	Maximum Torque	0.5Nm	
	KNX Terminal	Red-Black KNX Line Connection	
Output	Number of DALI devices	Maximum 64 (max. 8 sensors)	
	Cable lengths	1.5 mm ² ≤ 300 m 0.75 mm ² ≤ 150 m 0.5 mm ² ≤ 100 m	
Configuration	35 mm mounting rail	EN 60715	
Operating Elements	Programming LED and button	Used for physical address	
	Green LED ⁽⁷⁾	Problem-free KNX line	
	Yellow LED ⁽⁸⁾	First start-up (fast flashing) Device failure on DALI Line (slow flashing) Power supply fault (continuously on)	
	Red LED ⁽⁹⁾	Manual control active	
	Manual Button ⁽¹⁰⁾	Entire DALI line on-off, dimming (when manual control is active)	
	Test Button ⁽¹¹⁾		
Operating Temperature	Operation	5°C +45°C	
	Storage	-25°C +55°C	
	Transportation	-25°C +70°C	
Humidity	Maximum humidity	95% no condensation	
Dimensions		70 x G x 91mm	
	Width W (mm)	69mm	
	Width W (unit)	4 modules (18 mm module)	
Weight		0.15 kg	
Box	Plastic, Polycarbon, Grey		
CE	Pursuant to EMC Guide and Low Current Regulation		
Application Program	Communication objects	Max. Group Addresses	Max. no. of matches
	249	254	255

Ordering Information

Product Name	Product Code	Ordering Code	Package Information
DA100 EAE Knx Dali Gateway V2	SMP DA100 EAE S-KNX	48017	1 unit