

# DA110

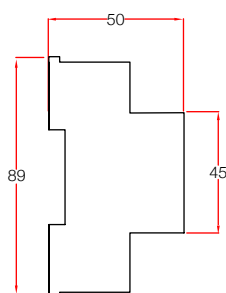
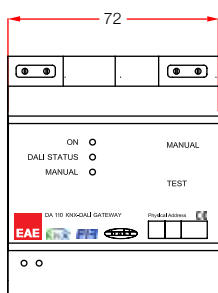
## EAE KNX-DALI GATEWAY (64 Ballast Control)



### General Specifications

- DA110 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).
- DA110 can control 64 DALI compatible ECG's (electronic control gear) separately via different KNX group objects and 16 different lighting scenes.
- 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.
- The error status of DALI devices can be received by means of different KNX communication objects on device and group basis.

### Dimensions (mm)



**Technical Information**

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

**Ordering Information**

Product Name	Product Code	Ordering Code	Package Information
DA110 EAE Knx Dali Gateway V2	SMP DA110 EAE S-KNX	48016	1 unit