



Datasheet

DALI GATEWAY
Art. 119914 14783 003A



TOTAL AUTOMATION GENERAL TRADING CO. LLC
SUITE NO.506, LE SOLARIUM OFFICE TOWER,
SILICON OASIS, DUBAI. UAE.
Tel. +971 4 392 6860, Fax. +971 4 392 6850
www.tacdubai.com, info@tacdubai.com

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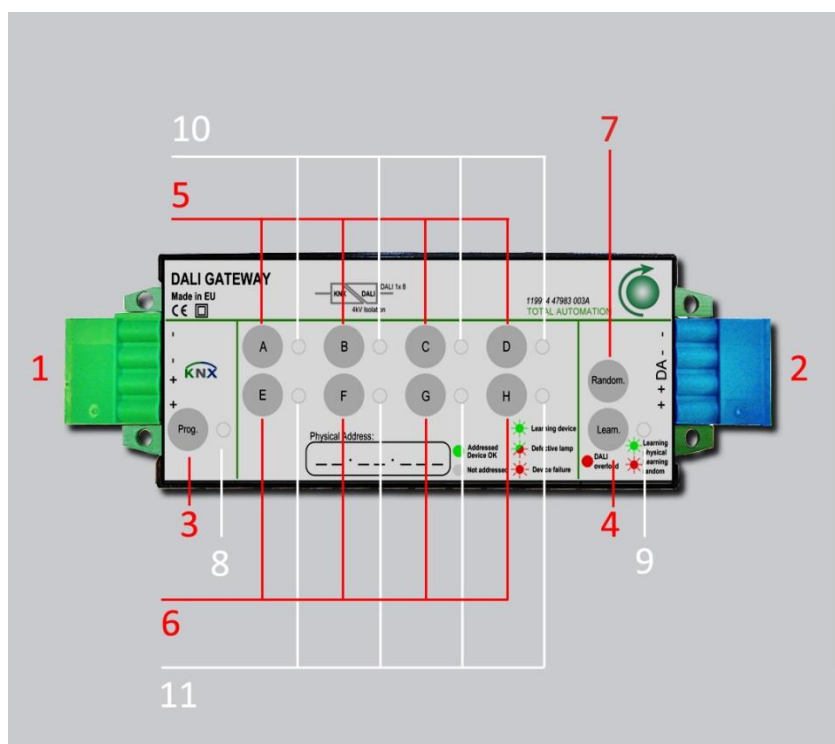
Description

The DALI Gateway is a device for controlling and monitoring up to 8 DALI ballast.

With its KNX input which is transformed into a DALI signal it is not necessary to have complex electrical installations, and due to its decentralized housing it can be installed near the lighting equipment (suspend ceilings) to avoid additional costs of wiring. Each lamp may also be controlled manually using the buttons on the device. Part of the monitoring is directly visible on the device itself. This is useful for commissioning lamps and test the installation even without KNX Programming. KNX bus Power is sufficient for this purpose.

Functional description

- DALI Gateway for 8 independent DALI channels.
- DALI supply included in the gateway, powered by the KNX bus: No need of external DALI power supply, no need of powering KNX/DALI Actuator with supply voltage.
- 1 KNX input / 1 DALI line output.
- KNX and DALI are isolated with 4kV.
- Each lamp can be set up, controlled and monitored independently
- Each lamp can be tested in **handmode** by buttons on gateway
- Lamps can be addressed physically or randomly
- Lamp addressing can be done manually by buttons on gateway, or by KNX telegrams
- LEDs for status indication of each lamp
- Operating temperature -5°C ... +45°C
- Housing: 139 x 45 x 19mm (including connectors)



Connectors

1. KNX bus, pluggable
2. DALI bus, pluggable

Buttons

3. KNX Programming button
4. DALI Learning button
5. Channel A to D Button
6. Channel E to H Button
7. Random Button

LED's:

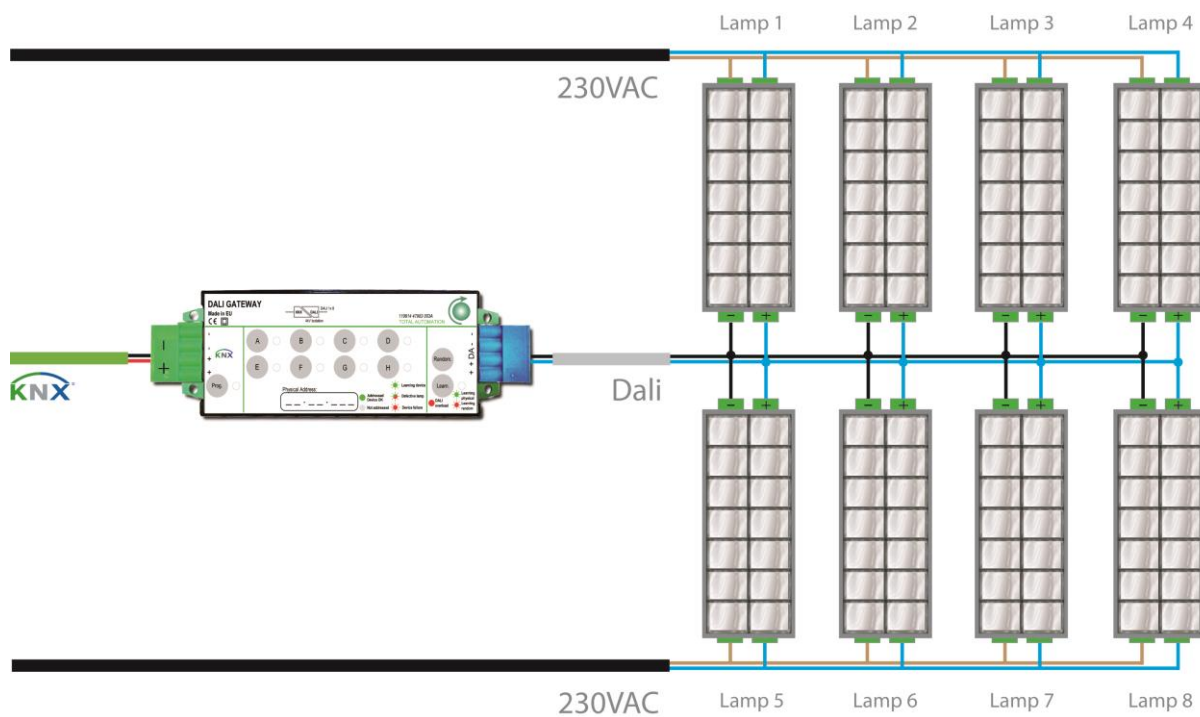
8. KNX Programming LED
9. DALI Learning / Random LED
10. Channel A to D LED
11. Channel E to H LED



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Application example



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Technical Data

Housing	139 x 45 x 19mm
Mounting	To be mounted into fall-ceilings
Housing material	ABS V0
Protection degree	IP20
Weight	70g
Operating temperature	-5°C ... +45°C
Terminals	
KNX	Pluggable, polarized, 250V, 10A, green colour
DALI	Pluggable, unpolarized, 250V, 10A, blue colour
Wire section	Solid: 2.5mm ² (12 AWG)/ Stranded: 1.5mm ² (12 AWG)
Screw	M3
Maximum torque	0.6Nm (5.3in.lbs.)
Clamp opening size	2.5 x 2.4mm
Supply	Powered by KNX Bus
KNX	30mA current consumption from bus
DALI	DALI bus voltage provided by gateway
Max. DALI current	16mA supplied by gateway, for max. 8 ballast
EMC	EN 61000-4-2 EN 61000-4-3
	EN 61000-4-4 EN 61000-4-5
	EN 61000-4-6 EN 61000-4-11