

Datasheet

KNX/DALI ACTUATOR
1x8 outputs
Art. 1630.04140/70100



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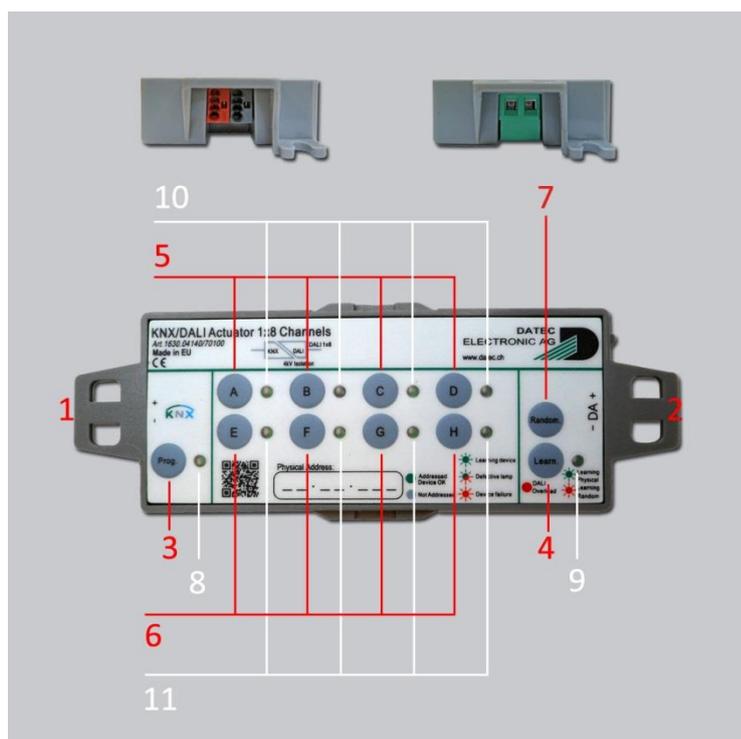
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Description

The Datec KNX/DALI Actuator 1x 8 Outputs 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

- KNX / DALI Actuator 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: 135 x 45 x 19mm (including connectors)



Connectors

1. KNX plug-in connector
2. DALI screw terminal

Buttons

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

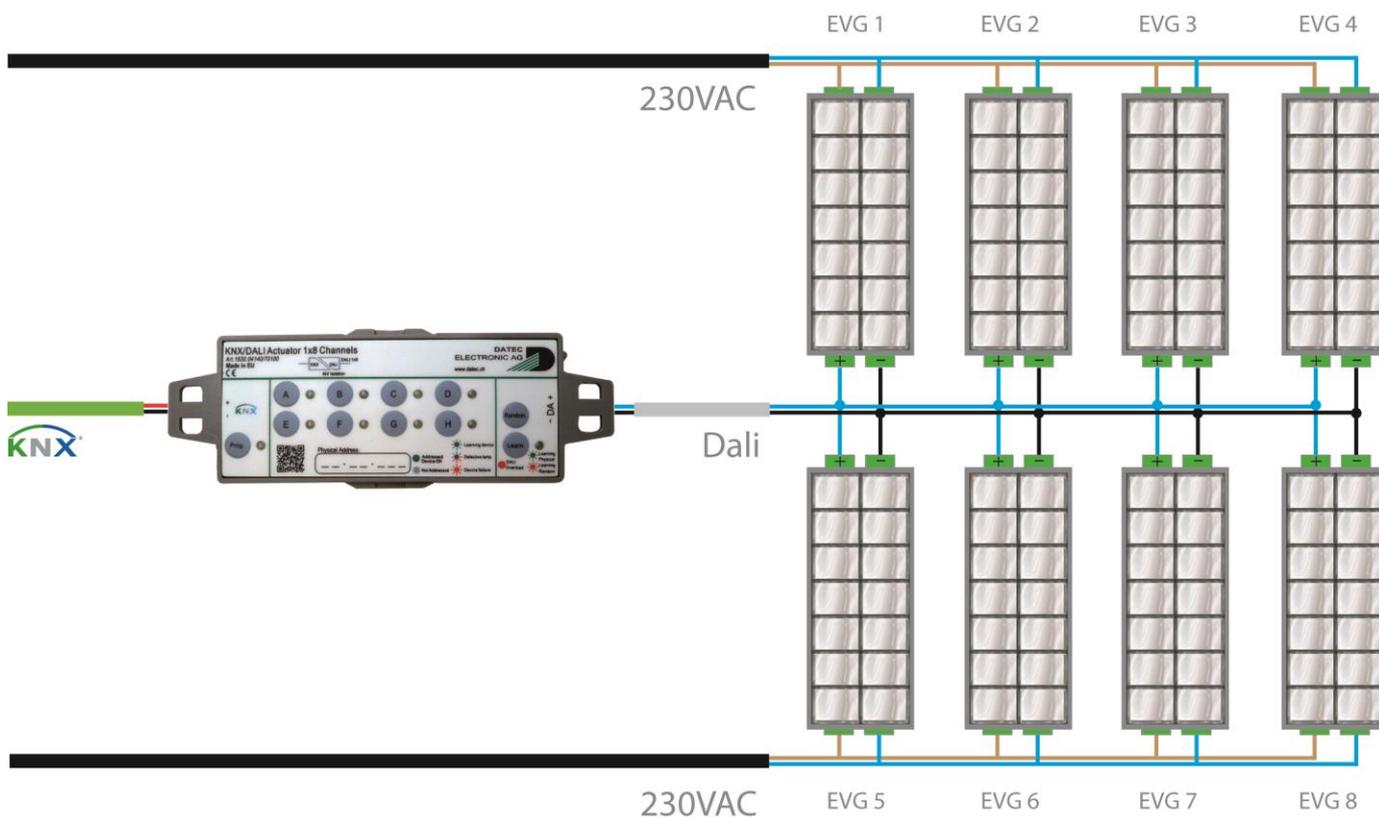
LED's:

8. KNX Programming LED
9. DALI Learning / Random LED / Overload
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	Ca. 135 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 micro terminal, Red/Black, 4 pole PUSH WIRE For conductor solid wire 0.6-0.8 mm ²
DALI	Screw terminal green 1.5 mm ² / 16 AWG Terminal opening size 2.5x2.1mm Screw M3 Maximum torque 0.5 Nm / 4.5 in.lbs
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