

Datasheet

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



DATEC ELECTRONIC AG
HOCHBERGERSTRASSE 60C
4057 BASEL
Tel. +41 61 633 22 25, Fax. +41 61 633 22 27
www.datec.ch, support@datec.ch

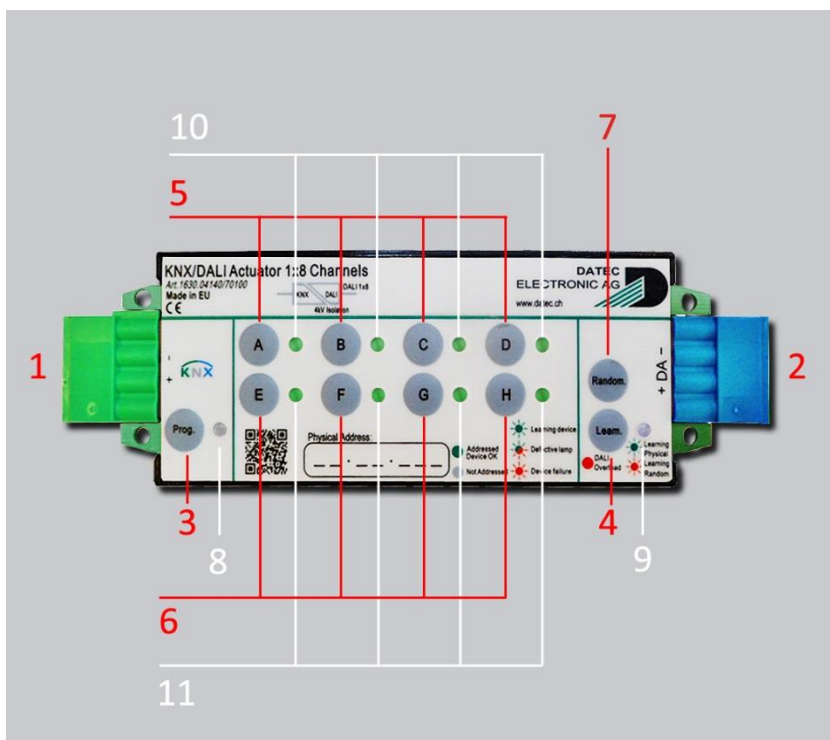
Because of continuous product improvement, notice is subject to change without notification. Please always check for latest version. Refer to www.datec.ch or contact support@datec.ch

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: 139 x 45 x 19mm (including connectors)



Connectors

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

Buttons

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

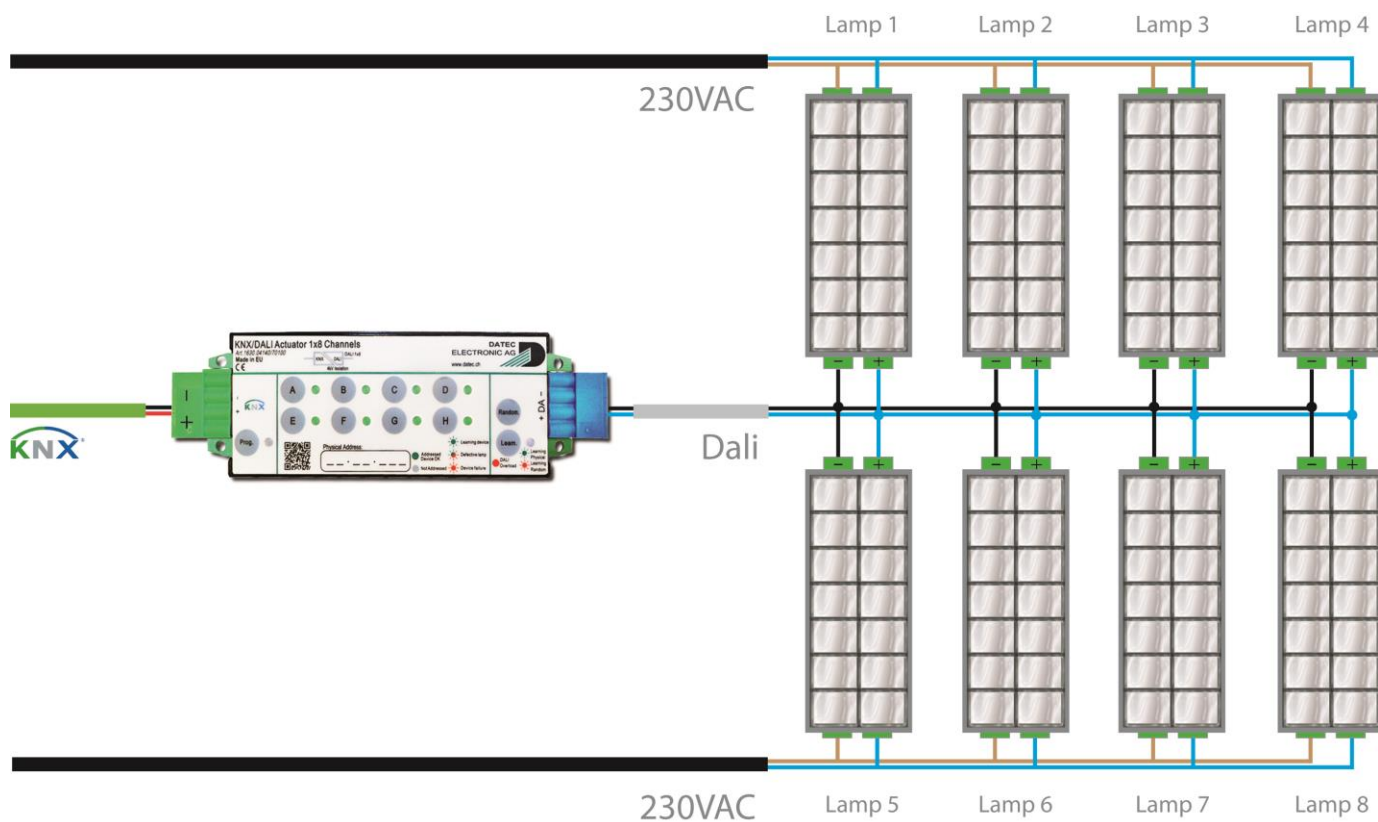
LED's:

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

Datasheet

KNX/DALI ACTUATOR- Art. 1630.04140/70100

Application example



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