Datasheet

ANALOG OUTPUT 0-10V, 4 CHANNELS
Art. 1630.02131/57100

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Description

The *Analog output 0-10V, 4 channels*, is controlling 4 single 0-10V outputs.
It act as an interface between the KNX bus, the worldwide standard for home and building automation, and devices controlled by 0-10V signals.
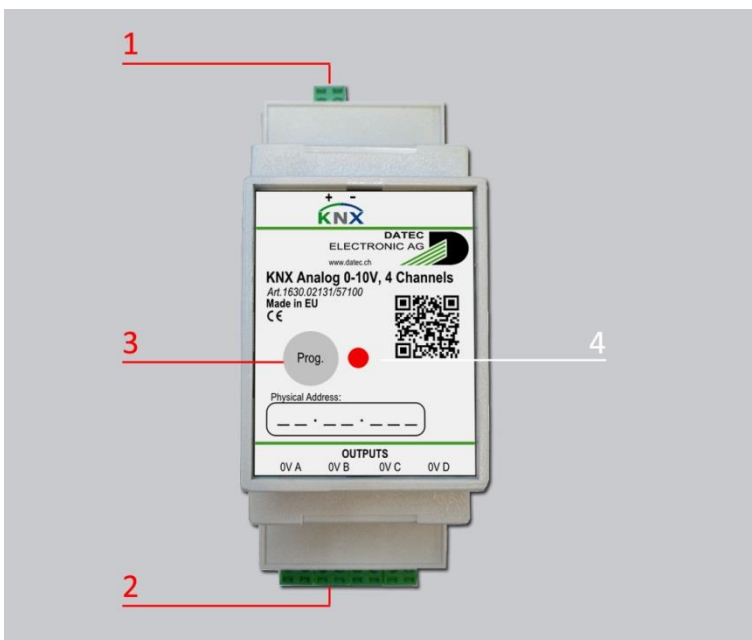These are used, for example, to control analog 0-10V valves, in accordance with the requirements of room control units, mainly in cooling or heating applications in offices, hotel rooms, … However also other applications are possible, like controlling fans, ventilation flaps, audio volume, …
Each Output can source up to 2mA, has a built in current limitation and an overvoltage protection. Moreover, the outputs are isolated from KNX-Bus with 4kV isolation.
The needed energy to power the device is drawn exclusively from the KNX bus, so no supplementary power supply is required.

Functional description

- 4 channels with analog 0-10VDC source output
- To be mounted on 35mm DIN Rail
- Powered by KNX bus
- Outputs isolated from KNX bus
- Operating temperature -5°C … +45°C
- Housing 36mm (2 units) x 90 x 60mm

Terminals
1. KNX plug in terminals
2. Output plug in terminals

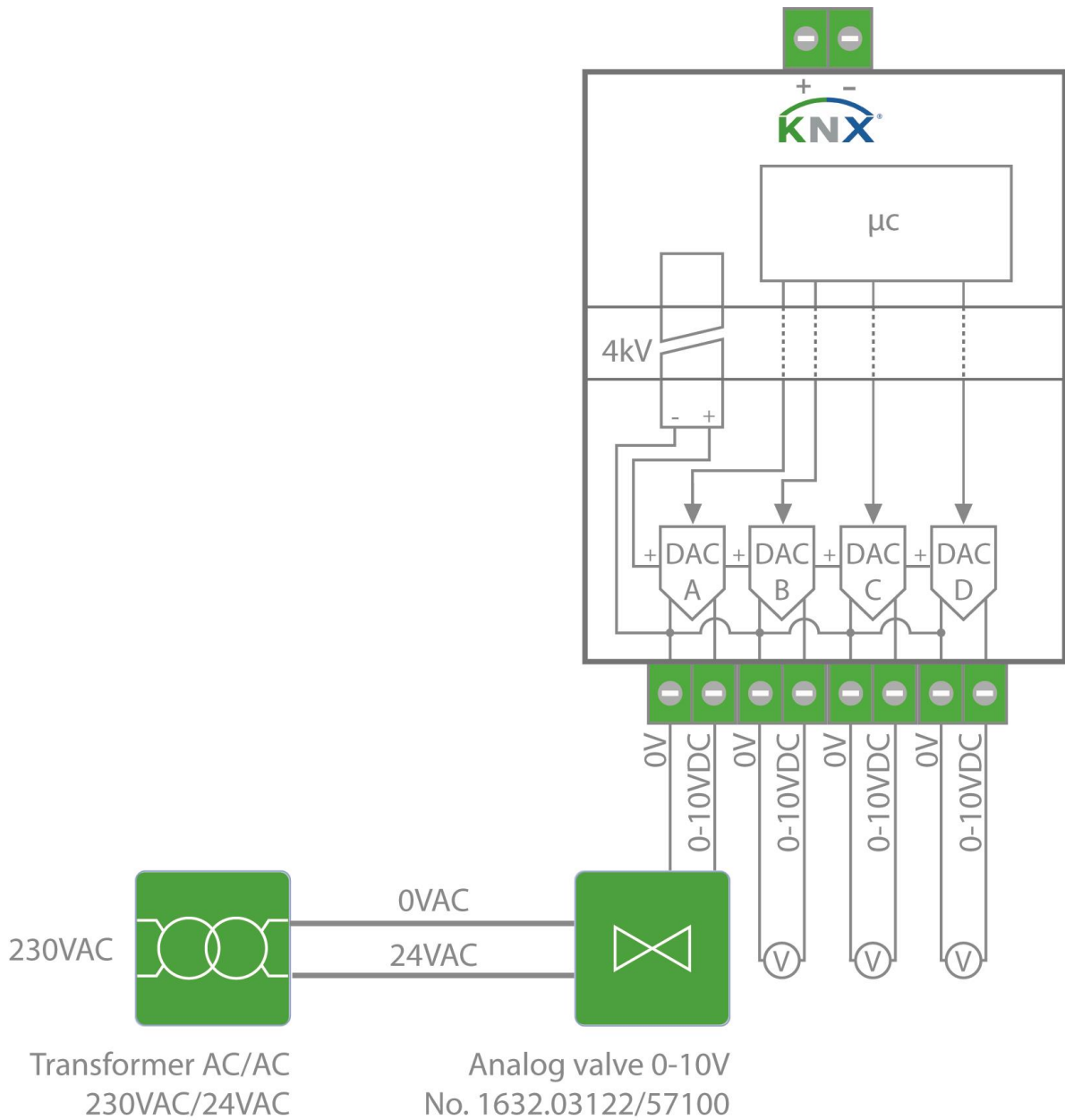**Buttons**
3. KNX programming button

LED's:
4. KNX programming LED

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Application example:

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Technical Data

Housing	36mm (2 units) x 90 x 60mm
Mounting	To be mounted on 35mm DIN Rail
Material	UL94-V0 flame retardant polycarbonate
Protection degree	IP20
Weight	65g
Operating temperature	-5°C … +45°C
Terminals	Pluggable screw terminals, 8A 160V
Wire section	1.5mm2 (16AWG)
Cage clamp recess size	1.8x2.6mm
Captive screw	M2
Recommended tightening torque	0.25Nm (2.3in.lbs.)
KNX	25mA current consumption from bus
Output	
0-10VDC modulating output	0-10VDC, max. 2mA/Channel
cabling	Maximum 30m
EMC	EN 50090-2-2 :1996+A1 :2002+A2 :2007
	EN 50428:2005+A1:2007+A2:2009(EMC parts)