

ABB i-bus® KNX

Analogue Actuator, 2-fold, SM, 0-10 V
AA/A 2.1.2, 2CDG110203R0011



Product description

The Analogue Actuator converts telegrams received via KNX into analog output signals. The device has two outputs. The analog outputs can be used independently of one another as voltage outputs with adjustable output signals.

The Analogue Actuator is a surface mounted device. It connects to the KNX via a bus connection terminal. The device is parameterized and programmed using ETS. It is powered by the KNX bus.

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Technical data

Supply	Power supply	Via ABB i-bus KNX
	KNX current consumption	Max. 12 mA
	KNX power loss	Max. 250 mW
	Power loss P	250 mW
Analog outputs	2, A...B	
	Voltage signals	0...1 V DC 0...5 V DC 0...10 V DC 1...10 V DC Depending on parameterization
	Output signal load	Voltage signal: ≥ 5 kohms
	Voltage signal	Max. 2 mA per channel
Output current	For 1...10 V output and ballasts	Max. 4 mA per Channel
Operating and display elements	Programming button/LED (red)	For assignment of the physical address
Connections	KNX connection	Pluggable screw terminal, green
	Analog outputs A...B	Pluggable screw terminals, green 0.08...1.5 mm ² rigid/flexible with/without ferrules without plastic sleeves
	Cable entry	4x, individual
	Stripping length	7 mm
	Screw thread	M2
	Tightening torque	Max. 0.25 Nm
Degree of protection	IP 54	To DIN EN 60 529
Protection class	II	To DIN EN 61 140
Isolation category	Overvoltage category	III to DIN EN 60 664-1
	Pollution degree	II to DIN EN 60 664-1
KNX safety voltage	SELV 24VDC	

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Temperature range	Operation	-20 °C...+70 °C
	Storage	-25 °C...+70 °C
	Transport	-25 °C...+70 °C
Ambient conditions	Maximum air humidity	93 %, no condensation allowed
	Atmospheric pressure	Atmosphere up to 2,000 m
Design	Dimensions	117 x 117 x 51 mm (H x W x D)
Mounting	Surface mounted device, screw fixing	
Mounting position	Any	
Weight	0,25 kg	
0.25 kg		
Approvals	KNX to EN 50 090-1, -2	Certification
CE mark	In accordance with the EMC guideline and low voltage guideline	

Device type	Application	Max. number of group objects	Max. number of group addresses	Max. number of assignments
AA/A 2.1.2	Analog output 2f/*	29	254	254

* ... = Current version number of the application. **Please refer to the software information on our website for this purpose.**

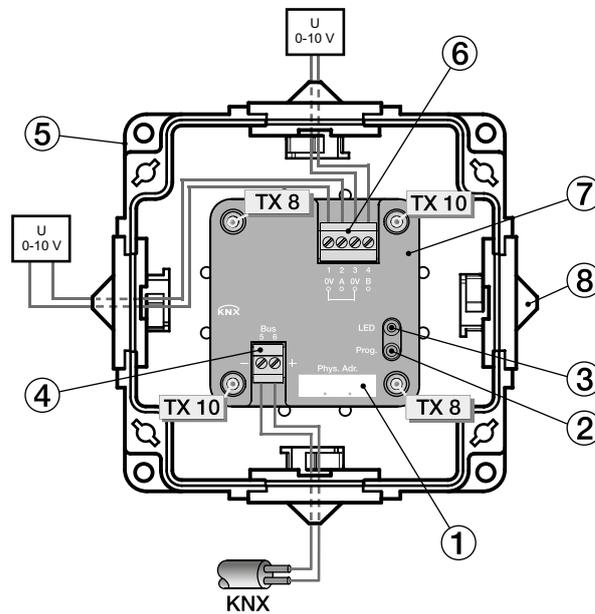
Note
<p>For a detailed description of the application see „<i>Analogue Actuator AA/S 4.1.2, AA/A 2.1.2</i>“ available free-of-charge at www.abb.com/knx.</p> <p>ETS and the current version of the device application are required for programming.</p> <p>The current application can be found with the respective software information for download on the Internet at www.abb.com/knx. After import into ETS, the application appears in the <i>Catalogs</i> window under <i>Manufacturers/ABB/Output/Analog Output</i>.</p> <p>The device does not support the locking function of a KNX device in ETS. If you use a <i>BCU code</i> to inhibit access to all the project devices, this has no effect on this device. Data can still be read and programmed.</p>

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Connection schematic

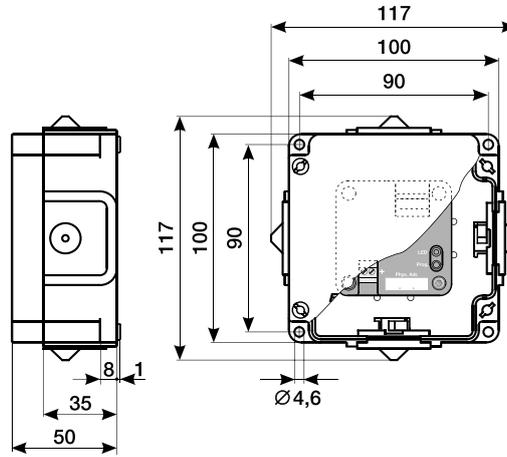


2CDC072040F0015

- 1 Label carrier
- 2 *Programming* button
- 3 *Programming* LED (red)
- 4 KNX bus connection
- 5 Housing
- 6 Analog outputs
- 7 Device cover
- 8 4 x cable entry

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Dimension drawing



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