

AIO-0410V.01

KNX Analog I/O 4-channel, 2 SU MDRC, 0 - 10 V, switchable In-/Output



Product description:

The MDT analogue input / output AIO is suitable for controlling devices with a 0-10 V input (e.g. ventilation systems) and for recording 0-20 mA (4-20 mA) / 0-10 V (2-10 V) measurement data (e.g. from fill level or pressure sensors). Each channel can be configured both as an input and as an output and is galvanically isolated from the KNX bus

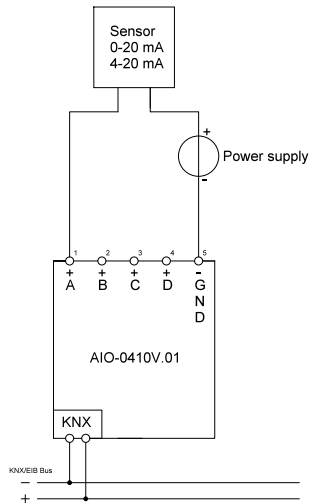
Product functions:

- Each channel can be independently configured (in-/output)
- In-/output galvanically isolated from the KNX Bus
- In-/output have a common GND
- Voltage for output operation is generated in the actuator
- No external power supply required
- **Input mode:** Sensor type 0-10 V / 2-10 V or 0-20 mA / 4-20 mA (selectable), measured value scaling, adjustable data point types, min/max values, wire break detection, threshold value- and step control function
- **Output mode:** 0-10 V, selectable data point type, control input via 1 bit / 1 byte / 2 bytes, lock function, emergency mode, Day/Night function to limit the control value
- Fast application download (long frame support as of ETS 5)
- 3 year warranty

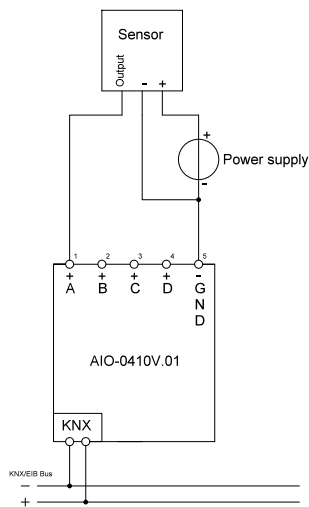
Technical data:

Device	Device type	AIO Analog Actuator
	Article Number	AIO-0410V.01
	EAN / GTIN	4251916130015
	Installation width	2 SU / 36 mm
	Dimensions (H x W x D)	90 x 36 x 65 mm
	Weight, gross (incl. packaging)	0.101 kg
	Protection classification	IP20
	Installation type	MDRC, DIN rail 35 mm
	Installation position	any
	Weight, net	0.082 kg
	Number of channels	4
Performance data	Power dissipation of the device, typical	≤ 4 W
Inputs	Input voltage	0 ... 10 V, 2 ... 10 V
	Internal resistance	130 kΩ
	Current loop	0 ... 20 mA, 4 ... 20 mA
	Resistance (Burden)	266 kΩ
Outputs	Output voltage	0 ... 10 V
	Output current	2 mA
	Minimum resistance at the output	5 kΩ
KNX	Nominal voltage KNX	30 V DC SELV
	Voltage range KNX	21 ... 31 V DC SELV
	Typical power consumption KNX bus	< 0,3 W
	KNX Medium	TP-256 with long frame support
	KNX Application	as of ETS 4
Environmental conditions	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
	Condensation permissible	No
Connections	Connection type	Screw terminal with slotted head
	Conductor cross section 1 x	0,5 ... 2,5 mm ²
	Screw terminal tightening torque	0.5 Nm
	KNX connection type	KNX terminal
	KNX cable cross section	0.6 ... 0.8 mm, solid conductor

Wiring diagram: 2-Pin Sensor



Wiring diagram: 3-Pin Sensor



Wiring diagram: 0 ... 10 V Output

