

Datasheet Eelectron KNX In-wall module 3 IN / 2 OUT

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KNX module includes 2 digital inputs, 1 analogue input and 2 bistable relay outputs. Digital outputs are designed for connection to potential-free contacts and can connect sensors, conventional buttons, etc. via an interface. They can be used for on-off commands, dimming, control of blinds, recall and control of scenes sequence of 3 objects. Analogue input can control a temperature sensor (with on/off limit) or a thermostat to control heating and cooling systems, valves, fan coil with 2 and 4 pipes. Analogue input, alternative to the temperature sensor, can control an infrared receiver (IRX) to transmit up to 8 channels to the bus, from an infrared remote control (IRC) with on/off commands, scenes, sequence of 2 objects, dimmers and blinds. The output include switching functions with time delays, staircase function, recall of scenes, closing or logic function.



IRC Device

Infrared remote control provides 8 channels for the IRX to transmit simple commands to the KNX bus (on/off, switching, scenes, sequence of 2 objects, 1 dimmer or blind). Battery CR2025 included.



IRX Cable

This cable supplies in infrared receiver, 1 digital input and 2 with a common wire are always available. Input 2 can be configured as a signal LED indicating when an infrared command is received (eelectron LED connection).



Temperature sensor

NTC Resistance tolerance $\pm 3\%$
Measuring range: $- 20^{\circ}\text{C} - +100^{\circ}\text{C}$



External temperature sensor

Length 1250 mm
NTC Resistance tolerance $\pm 2\%$
Measure range: $- 50^{\circ}\text{C} - + 60^{\circ}\text{C}$

Technical data:	
Stromversorgung	
	Via bus EIB/KNX cable
Voltage	21..30V DC
Current consumption EIB/KNX	< 10mA
Digital Input	
	For potential-free contacts (weak current contacts)
Max. Length of connection cable	≤ 30m (twisted cable)
Voltage sensing	3,3V DC (internally generated)
	AWG24 cable with a length of 1800 mm
Analogue input temperature	
	For NTC Temperature transmitter eelectron
Max. Length of cable	≤20m (twisted cable)
Analogue input infrared receiver	
This accessory must be used!	IRX wiring – Infrared receiver
	IRC unit – Infrared remote control
Outputs	
	10 A cos 1 – 230 V AC
Max. Capacity @ 230V	21 µF 5.000 cycles
Incandescent lamps max. load	1500W 50.000 cycles
Fluorescent lamps max. load	6x 18W 25.000 cycles
Halogen lamps max. load	500W 50.000 cycles
Gas discharge lamps max. load	200W 25.000 cycles
Control elements	
	EIB / KNX red LED and button
Terms of use	
	The device may only be used indoors and in dry locations, In in-wall housings.
Operating temperature	-5°C - +45 °C
Storage temperature	-20°C - +55 °C
Relative humidity	Max. 90%
Dimension / Weight	
Dimension	52 x 28 mm (D x H)
Weight	ca. 50 g

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*Warranty ex works, normally 24 months, fixed at order. Information is current as of the date of publication. Subject to errors and modifications. NOTE: Internal connections refer to connections inside the unit, generally mounted across a pin-header. External connections refer to those outside the box. Once mounted, only connections described as „front accessible“ can be accessed by the customer.