

KNX INPUT MODULE 20 GANG DRY-CONTACT IO100 / 20/8 GANG DRY-CONTACT/230V IO101



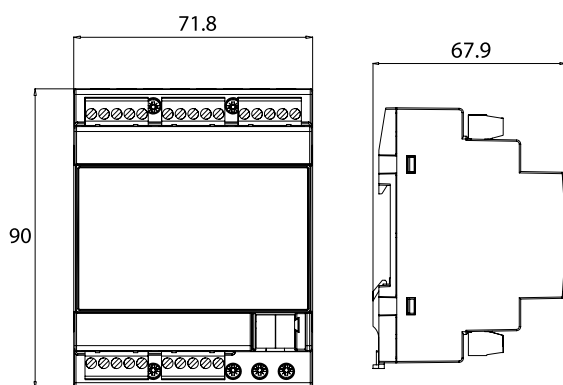
MAIN FEATURES

- LEDs on the front of the device to indicate the signal status of the inputs.
- Manual operation buttons to simulate and override the status of the inputs
- 20 x Dry-contact inputs
- 8 x 10-230V AC/DC inputs (Only in IO101)
- 4 x virtual inputs
- Vout port can be used to supply an external device with 5V up to 75 mA.
- Switching and dimming lighting with one or two inputs
- Controlling blinds and shutters with one or two inputs
- Calling and saving scenes
- Sending up to 3 values of any type (percentage - HVAC mode - temperature - 1, 2 or 4-byte values etc.)
- Distinction between short and long presses - single and double presses of a connected push button
- Inputs signals can be monitored, delayed, locked, sent to the bus and simulated via an object
- 32 auxiliary functions. The type of each function can be selected from 14 different types (Sequencer, Counter, Scene Actuator, Filter, Converter, Logic Gate, Presence detector controller, Staircase controller...). The inputs of some of these functions can be assigned to be internal inputs or external objects

PRODUCT CODES

Product	Product codes
KNX INPUT MODULE 20 GANG DRY-CONTACT IO100	WRKT4000E5NC
KNX INPUT MODULE 20/8 GANG DRY-CONTACT/230V IO101	WRKT4001E5NC

DIMENSIONS



TECHNICAL DATA

Power	
Operating voltage	DC 21-32 V (from KNX bus)
Maximum current consumption - Vout disabled	20mA from KNX bus
Maximum current consumption - Vout enabled	40mA from KNX Bus
Environmental conditions	
Ambient temperature	-5 C ... +45 C
Storage temperature	-10 C ... +55 C
Ambient humidity	5...93% (non-condensing)
Housing	
Dimensions (HxWxD)	90mmx71.8mmx67.9mm
Mounting (IEC60715)	35 mm top-hat rail (TH35)
Mounting width	DIN rail 72mm (4 modules)
KNX bus connection	KNX connector (243-211 Wago)
Weight	For IO100: 136,75 gr For IO101: 209,45 gr
10-230V Input connector (only IO 101)	16x Screw Terminals
Dry Contact Input connector	5x 5pin 3.81mm Pluggable Terminals
Electrical safety	
Protection type (IEC60529)	IP 20
Pollution degree (IEC60664)	2
Protection class (IEC61140)	II
Overvoltage category (IEC60664)	III
Standards	
EMC, LVD, KNX	TS EN 50428, TS EN 60669-2-1, EN 50090

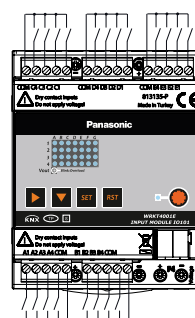
Dry contact inputs	
Scanning voltage	3.3V
Scanning current	10uA
Scanning current at switch on	400uA
Maximum cable length	100 meters
Minimum cable cross section	1mm ²

Vout	
Output voltage	5V ± 10%
Maximum current	75mA
Maximum cable length	100 meters
Minimum cable cross section	1mm ²

10-230V AC / DC inputs	
Permissible voltage range	10-230V AC/DC
Maximum input current	1mA
Signal level for 0 signal	0...3 V AC/DC
Signal level for 1 signal	8...230 V AC/DC
Maximum cable length	100 meters
Minimum cable cross section	1mm ²

CONNECTION

• Dry Contacts Connection



• 10-230V AC Connection

