

## KNX Binary Input



<b>Product Code</b>	ITR112-0000
<b>Power Supply</b>	KNX Power Supply
<b>Current Consumption</b>	5 mA
<b>Number of Inputs</b>	12 Channels
	10 Binary Input and 2 Binary/Analog Input
<b>Cable Length</b>	Maximum 30 m at 1.5 mm <sup>2</sup>
<b>Cable Cross-Section</b>	0.25 – 1.5 mm <sup>2</sup>
<b>Cable Stripping</b>	6 mm
<b>Mounting Type</b>	DIN Rail
<b>Type of Inputs</b>	Dry Contact Inputs
<b>Mode of Commissioning</b>	S-Mode
<b>Type of Protection</b>	IP 20
<b>Temperature Range</b>	Operation (-5°C...45°C)
	Storage (-25°C...55°C)
<b>Colour</b>	Light Grey
<b>Dimensions</b>	90 x 36 x 71 mm (H x W x D)
<b>Certification</b>	KNX Certified
<b>Configuration</b>	Configuration with ETS

### DESCRIPTION

KNX Binary Input is used to interface the contacts to KNX bus substructure such as push buttons, switches etc. to make them communicating devices.

2 binary/analog inputs configurable as a temperature probe. Each analog input can be used by 2 thermostat functions.

### CONFIGURATION AND FEATURES

The complete configuration of the device is performed via ETS5 or higher. Depending on ETS configuration and settings, the product feature will be different. Available functions are:

#### Input Functions

- Thermostat Function
- Switch Sensor
- Switch / Dimming Sensor
- Shutter Sensor
- Value / Forced Operation
- Control Scene
- RGB Colour Control
- RGBW Control
- Mode Selection
- Command Sequence
- Counter

#### Logic Functions

##### Internal Inputs:

- Max 10 binary input

##### External Inputs:

- Binary Value (adj. size) (max. 3 selectable)
- Movement
- Temperature
- Brightness

##### Output Types

(max. 5 selectable):

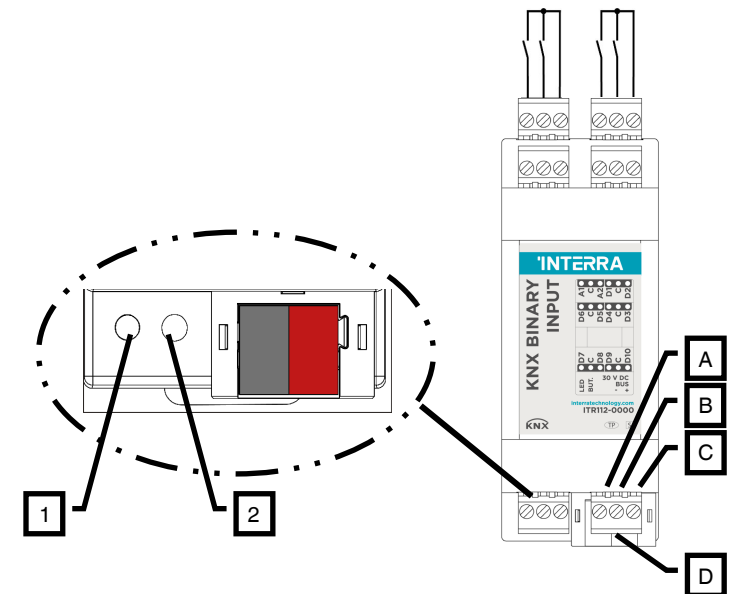
- Switch
- Absolute Dim
- Shutter
- Alarm
- Sequence
- Scene Number
- String
- Threshold



The table below lists the Temperature Probe compatible with our product. The Temperature Probe is not supplied with the product and customers must order this probe separately.

<b>Product Code</b>	<b>HM001718</b>
Description	Thermistor NTC 10K 5%
Cable Cross-section	24 AWG
Cable Length	1.5 m
Pin Count	2

### CONNECTION DIAGRAM



Letter	Feature
A	Input X
B	Input Y
C	Common
D	KNX Connector
1	Programming LED
2	Programming Button