

KNX Binary Input



Product Code	ITR112-000X
Power Supply	KNX Power Supply
Current Consumption	5 mA
Number of Inputs	12 Channels Up to 6 Binary/Analog Input
Cable Length	Maximum 30 m at 1.5 mm ²
Cable Cross-Section	0.25 – 1.5 mm ²
Cable Stripping	6 mm
Mounting Type	DIN Rail
Type of Inputs	Dry Contact Inputs
Mode of Commissioning	S-Mode
Type of Protection	IP 20
Temperature Range	Operation (-5°C...45°C) Storage (-25°C...55°C)
Colour	Light Grey
Dimensions	90 x 36 x 71 mm (H x W x D)
Certification	KNX Certified
Configuration	Configuration with ETS

X | 2: 2 Binary/Analog Input, 4: 4 Binary/Analog Input, 6: 6 Binary/Analog Input

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.

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

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:

- 6 binary input

External Inputs:

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

Output Types

(max. 5 selectable):

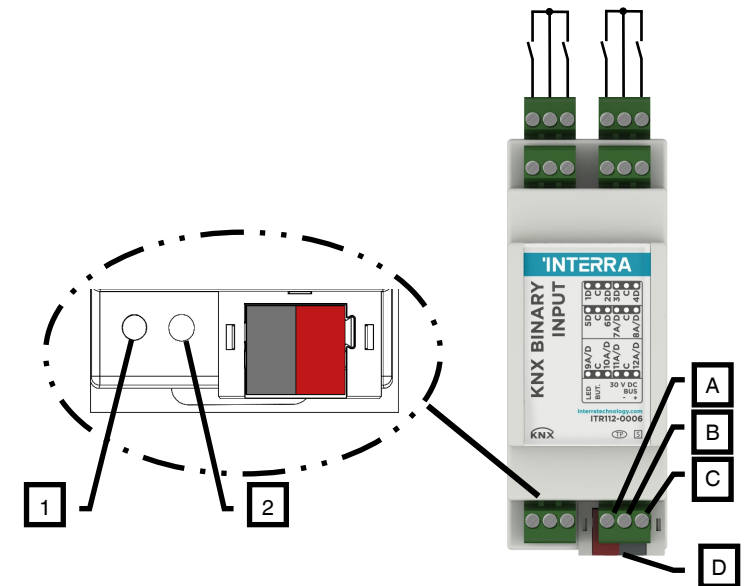
- Switch
- Absolute Dim
- Shutter
- Alarm
- Sequence
- Scene Number
- String
- Threshold



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.

Product Code	HM001718
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	Common
C	Input Y
D	KNX Connector
1	Programming LED
2	Programming Button