

# INSTALLATION MANUAL

## TIS KNX GATEWAY

Model: TIS-KNX-PORT

**TIS**  
CONTROL EVERYTHING



### **i** PRODUCT INFORMATION

The KNX-TIS Gateway is a communication gateway integrate to KNX protocol and devices to work with TIS protocol and devices.

### PRODUCT SPECIFICATIONS

 <b>Inputs</b>	KNX TIS	KNX network 2 wires connection TIS-BUS (RS485) 4 wires connection
 <b>KNX Bus (EIB)</b>	Bus voltage Current Input, EIB Power Consumption, EIB Protection	21-30 VDC via the EIB bus <12mA <360mW 2000V ESD Protection
 <b>TIS Bus</b>	Number of devices on 1 line Bus voltage Current consumption Protection	Max. 64 12-32 V DC <50 mA / 24 V DC Reverse polarity protection
 <b>Function programmable options</b>	TIS->KNX KNX->TIS	Control lights ON/OFF, Dimmer and Shutter Control Lights ON/OFF, Dimmer, Shutter, Infrared and Air Condition
 <b>Connection terminal</b>	KNX Bus TIS Bus	Screw terminal 0,2...6mm <sup>2</sup> Screw terminal 0,2...4mm <sup>2</sup>
 <b>Dimensions</b>	Width x Length x Height	36mm x 64mm x 90mm
 <b>Housing</b>	Materials Casing color IP rating	ABS fire proof Gray IP 20





### Read Instructions

We recommend that you read this Instruction Manual before installation.



### Mounting Location

Install in a dry, well-ventilated location. Controllers may emit some mechanical noise. Take this into account when deciding on a mounting location.



### Safety instructions

Electrical equipment should only be installed and fitted by electrically skilled persons. Failure to observe the instructions may cause damage to the device and other hazards. These instructions are an integral part of the product and must remain with the end customer.



### Data Cable

Use screened, stranded KNX cable and standard RS485 data cable with four twisted pairs. Connect devices in a “Daisy Chain”.

**Do not cut or terminate live data cables.**



### Programming

Advanced programming requires TIS Device Search software. Advanced software programming knowledge should be obtained in the advanced training courses.



### Warranty

We provide a warranty as required by law. A hologram warranty seal and product serial number are provided on each device. Please send the description of the defect with Product S/N to our dealer network.



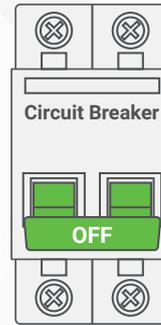
### Simple Installation

DIN Rail mount facilitates installation.



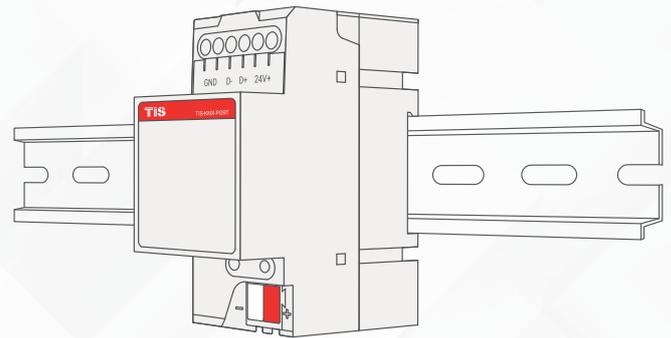
### INSTALLATION STEPS

**1** Turn off TIS and KNX power supplies.

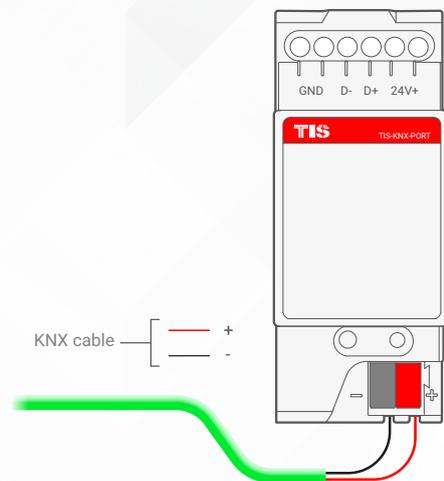


**WARNING! HIGH VOLTAGE**

**2** Mount the device on a DIN rail inside an approved enclosure.

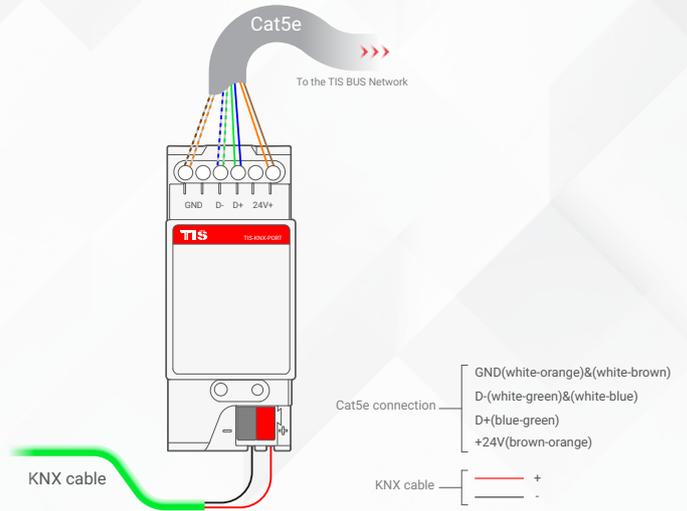


**3** Connect KNX Cable to the red and black KNX terminal.

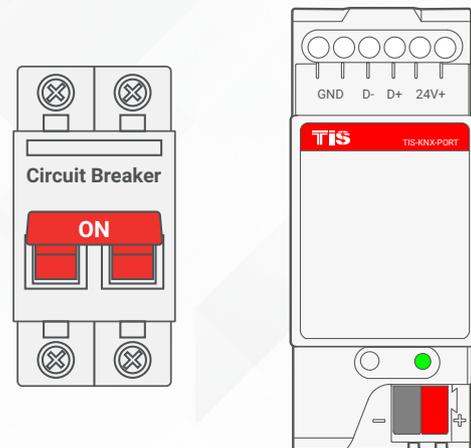


### INSTALLATION STEPS

**4** Connect cat5e TIS network data cable to the TIS-BUS port as per the connection diagram



**5** Turn on TIS power supply and KNX Power supply, The module's PRG green LED should start blinking.



### TROUBLESHOOTING



**Device PRG LED is not Blinking;  
Device not Powered**

**Reason:** Device is not powered on; no TIS-BUS 24V nor KNX Power supply connected to the device.



**Device PRG RED LED is blinking**

**Reason:** Assigning the physical address on process.



**Device Search software can not communicate with the module**

**Reason:** Could be a short in connection between devices in TIS BUS network.