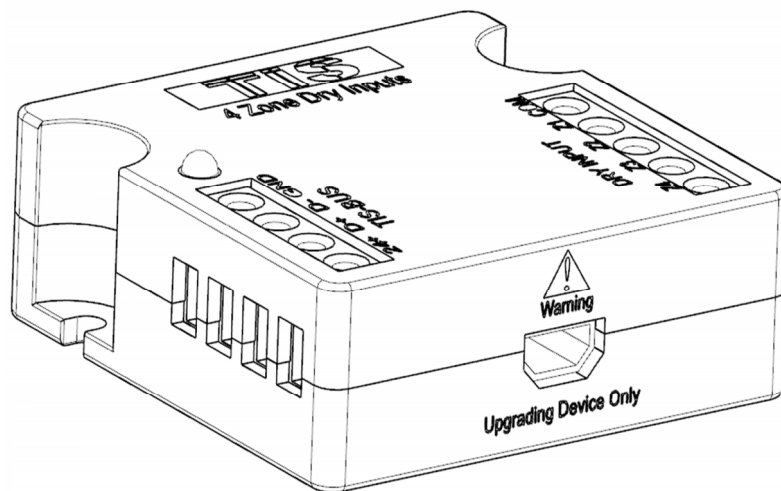


## **TIS 4 Digital Input Module 4 Zones Dry Inputs**

Model: TIS-4Z-IN

Data Sheet Rev 1.1



### **Safety instructions**

Electrical equipment may 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.

### **Basic information**

This device is a product of the TIS system. It is a free locate device with 4 independent Digital inputs which can be controlled and communicate separately with TIS protocol messages, technical knowledge obtained in TIS training courses is a prerequisite to proper understanding how to install device. Advanced Programming knowledge about software obtained in the advanced training courses.

### **Intended use**

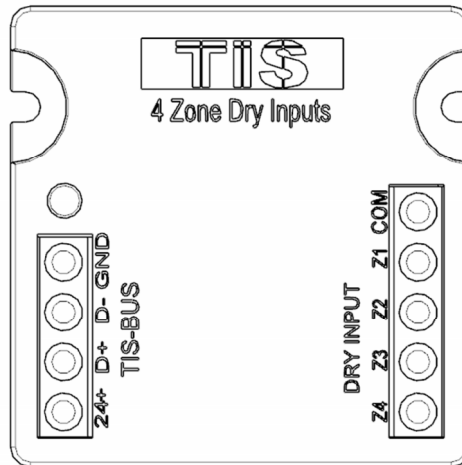
Turning mechanical switch to digital TIS one, control lighting, saving energy and security, e.g. light on/off, brightness values, control air condition, and fan control.

## Product characteristics

<b>Input</b>	Number of channels Input Type Length of connected wire	4 Digital input. Open / close < 350 meter
<b>TIS Bus</b>	Number of devices on 1 line Bus voltage Current consumption	Max. 64 12-32 V DC <12 mA / 24 V DC
<b>Protection</b>	Bus connection Digital input	Reverse Polarity Protection Low voltage <24V Protection
<b>Reaction time</b>		approx. 20ms
<b>Mounting</b>	Free locate	By 2 screws installed anywhere.
<b>Connection terminal</b>	Data / bus	Screw terminal 0.25...2.5mm <sup>2</sup>
<b>Operating and display elements</b>	Programming button/LED By TIS bus Upgrading	For assignment of the physical address TIS Protocol messages and commands 1 X mini USB for up to date upgrading.
<b>Functions for each zone</b>	Digital input Open Digital input close Revers control	20 commands 20 commands 1 command
<b>Weight</b>	Without packaging	0.4 KG
<b>Dimensions</b>	Width x length x height	91mm x 145mm x 75mm
<b>Housing</b>	Materials Casing color	ABS anti fire Black Gray
<b>Temperature range</b>	Operation Storage Transport	-10...50°C -20...50°C -25...75°C
<b>Air humidity</b>		<85% non-condensing

## Wiring diagram

### Data connection



### Bus connection

#### Screw terminals connection

By using the Cat5e cable to connect to TIS bus 4 terminals (24V, D+, D-, GND)

Recomanded UTP cat5e color connection

24V – Orange  
D+ – Blue  
D- – White Blue  
GND – White Orange

### Digital input connection

It is recomanded to use Cat5e cable for digital input zone.

Com port is the common termonal for all 4 zones

Z1..Z4 is the Digital input zones from 1-4.

## Warranty

We provide a warranty as provided for by law.

Hologram warranty seal and product serial number is provided by each device.

Please send the description of the defect with Product S/N to our dealer network.

[info@tissmarthome.com](mailto:info@tissmarthome.com)

[www.tissmarthome.com](http://www.tissmarthome.com)