

# INSTALLATION MANUAL

## TIS SECURITY MODULE

Model: TIS-SEC-SM

# TIS

Automation Made Easy



### **i** PRODUCT INFORMATION

This Security Module is capable of covering more than 3000 BUS inputs divided into 8 areas. Arm/disarm your security system according to different modes, including vacation, away, day, or night. It's your call. Equipped with a built-in clock, this module can also be set to automatically arm/disarm these modes.

### PRODUCT SPECIFICATIONS

	<b>Security</b>	Levels	Vacation, Away, Night, Day, Disarm
		Arming commands	20 for each level
		Alarm Commands	20 for each alarm type
		Extra Alarms Sirens and buzzer	Panic, blackout, freezing temperature, 3 channels addressable. (Burglary, Fire, Buzzer)
	<b>TIS Bus</b>	Number of devices on 1 line	Max. 64
		Bus voltage	12-32 V DC
		Current consumption	<30 mA / 24 V DC
		Protection	Reverse Polarity Protection
	<b>Function programmable options</b>	Other Functions	Auto Arm/Disarm, Entry/Exit Delay, Dial out Time, zone auto bypass, Duress Alarm
	<b>Dimensions</b>	Width × length × height	90mm × 73mm × 76mm
	<b>Housing</b>	Materials	Fire-proof ABS
		Casing color	Black Gray
		IP rating	IP 20



BARCODE (UPC-A)





### 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 RS485 data cable with four twisted pairs. Configure 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. Fixing points are provided for installation without the use of DIN rail.

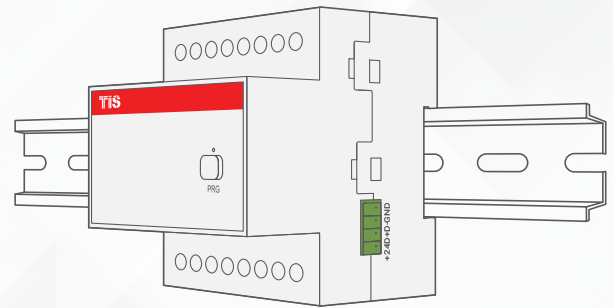



## INSTALLATION STEPS

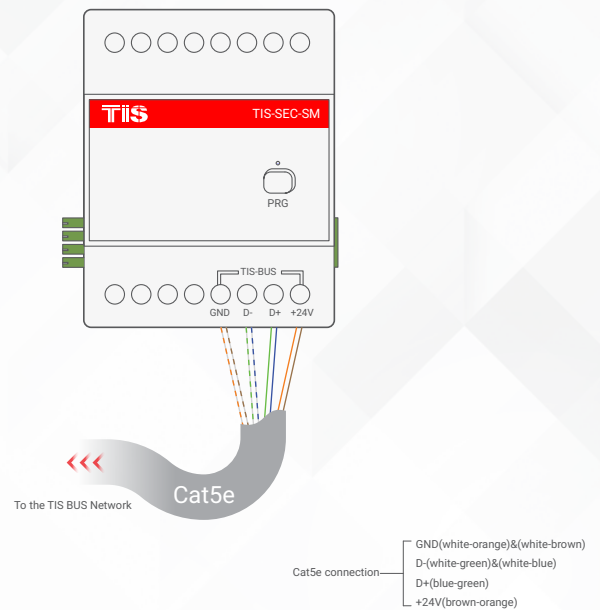
**1**  Turn Off TIS Power supply

 **WARNING! HIGH VOLTAGE**

**2**  Mount the device on a DIN rail inside an approved enclosure. The device can also be installed without the use of DIN rail by two mounting screw holes.



**3**  Connect a cat5e TIS network data cable to the TIS-BUS port as per the connection diagram. No need to loop the TIS-bus cable if 2 DIN rail modules are connected together from the side bus train terminal.



## TROUBLESHOOTING



### **PRG Button Blinks Red Color Rapidly**

**Reason:** The module's address conflicts with another device in the TIS network. You need to press and hold the PRG button for 6 seconds so the module can get a new address.



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

**Reason:** Device is not powered on; no TIS-BUS 24V supply connected to the device.



### **Wall Panels can't Control the Device Channels**

**Reason 1:** The TIS-BUS connection has a problem; check the wires and make sure there's not a short in the connection.

**Reason 2:** The programming address is wrong.



### **The device setting has reset to default randomly**

**Reason:** The built-in battery is expired. Replace the battery or use an external one.