

INSTALLATION MANUAL

TIS POWER SUPPLY

24-V DC Power Supply Module

Model: P.S-24V-1.5A







TIS
CONTROL EVERYTHING



PRODUCT INFORMATION

This product is a power supply module designed to be installed in the junction box to provide 24V DC for small power motor drive applications.

PRODUCT SPECIFICATIONS

	Power supply	Input voltage	110/240 VAC 50/60 Hz
		Output power	60W / 24V
		protection	Internal protection fuse
		Current consumption	1500 mA / 24 V DC
	Mounting	Din rail	Standard 35 mm din rail
		Wall mount	screw holder on the back of the module
	Dimensions	Length x Width x Height	73mm x 76mm x 90mm
	Housing	Materials	Fireproof ABS
		Casing color	Black
		IP rating	IP 20
	Temperature range	Operation	-30...60°C
		Storage	-20...60°C
		Transport	-30...75°C
	Air humidity		<80% non-condensing



BARCODE (UPC-A)





Read Instructions

We recommend that you read this Instruction Manual before installation.



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.



Programming

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



Simple Installation

You can use either the DIN rail or fixing points to install this module.



Mounting Location

Install in a dry, well-ventilated location. Controllers may emit some mechanical noises. Consider this when deciding on a mounting location.



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.



Electrical Wires

The recommended wire size is 4...6mm² for the Line, Neutral, and Output wires. The installer should consider the total current consumption when selecting the wires.



Warranty

There is a two-years warranty provided by law. The hologram warranty seal and product serial number are available on each device.





INSTALLATION STEPS

1»

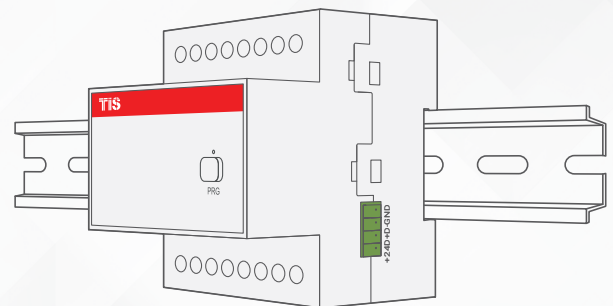
Turn off the main electrical source before installation.



WARNING! HIGH VOLTAGE

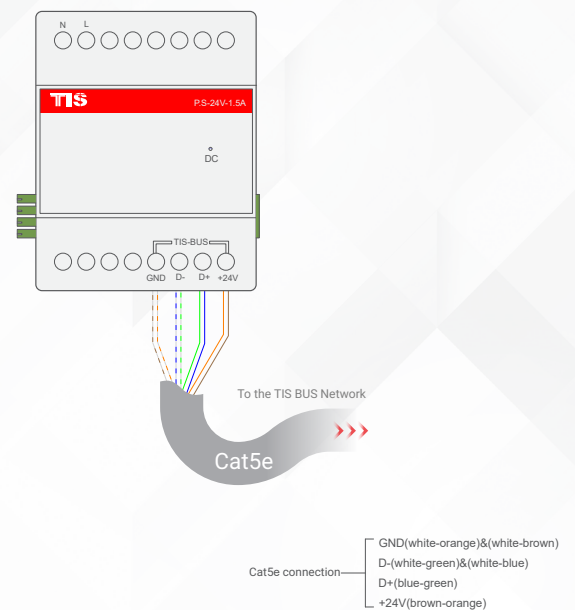
2»

Mount the device on DIN rails inside an approved enclosure. The device can also be installed using two mounting screw holes.



3»

Connect the RS485 data cable to the TIS-BUS port following the product connection diagrams. It is necessary to loop the TIS-BUS cable if the side bus-train terminal connects the two DIN rail modules.

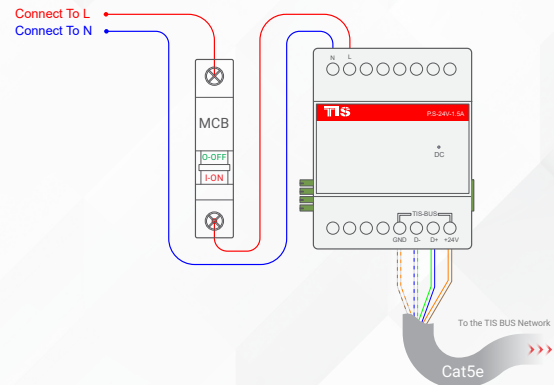




INSTALLATION STEPS

4»

Connect the L, N, and PE to Live, Neutral, and Earth cables, respectively. The device input must have an appropriate MCB to protect the module.



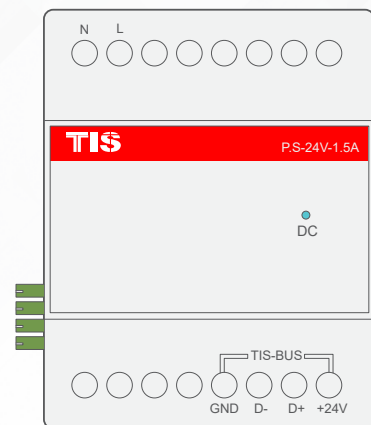
1.5 mm Electric Cable
1.5 mm Electric Cable

Cat5e connection—

- GND(white-orange)&(white-brown)
- D-(white-green)&(white-blue)
- D+(blue-green)
- +24V(brown-orange)

5»

Turn on the power source. The module's LED should turn on and supply the BUS network with 24V DC.





TROUBLESHOOTING



The DC LED does not turn on

Reason: There is no connection to the L/N input.



The DC LED is ON, but no 24V DC output

Reason 1: There is a short circuit on the BUS network.

Reason 2: There is an overload, because many bus products are connected to the same power supply.



The DC LED is OFF, and there is no 24V DC output, even though the L / N wires are connected.

Reason: Power supply is damaged.