

INSTALLATION MANUAL

DALI MASTER CONTROLLER

Din-rail DALI Actuator






Model: DALI-64



PRODUCT INFORMATION

This product is a TIS-DALI gateway supporting 64 ballasts for scene control and grouped and individual lights control.

PRODUCT SPECIFICATIONS

	Ports	DALI	Standard DALI connection Max 64 units
	Functions	DALI	64 programmable addresses 16 Groups 16 Scenes
	TIS Bus	Number of devices on 1 line Bus voltage Current consumption Protection	Max. 64 12-32 V DC <300 mA / 24 V DC Reverse polarity protection
	Dimensions	Width × length × height	76mm × 73mm × 90mm
	Housing	Materials Casing color IP rating	Fireproof ABS Black 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



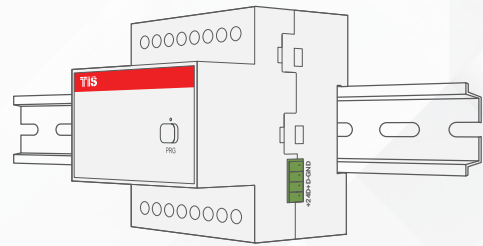
Turn Off TIS Power supply



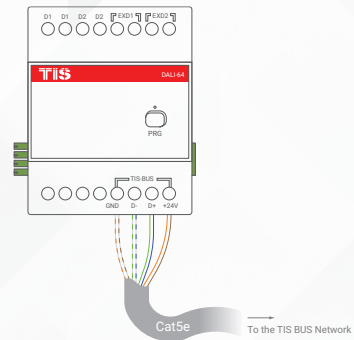
WARNING! HIGH VOLTAGE



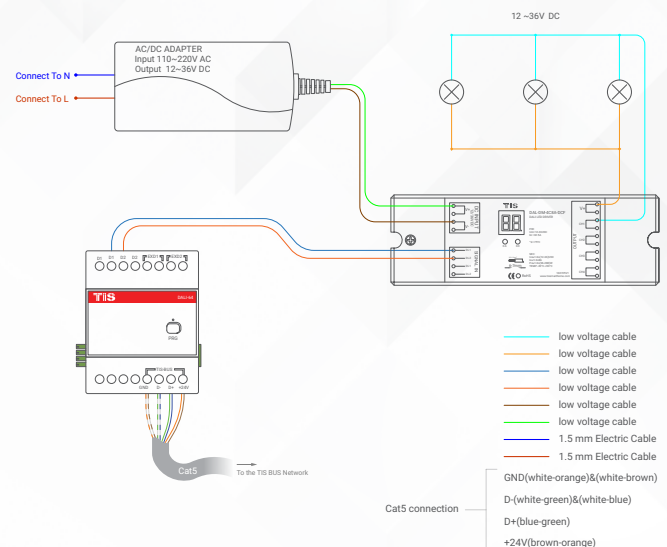
Mount the device on a DIN rail inside an approved enclosure. The device can also be installed without the use of DIN rail by two mounting screw holes.



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.



Connect the DALI network by connecting the D1 and D2 wires in module.

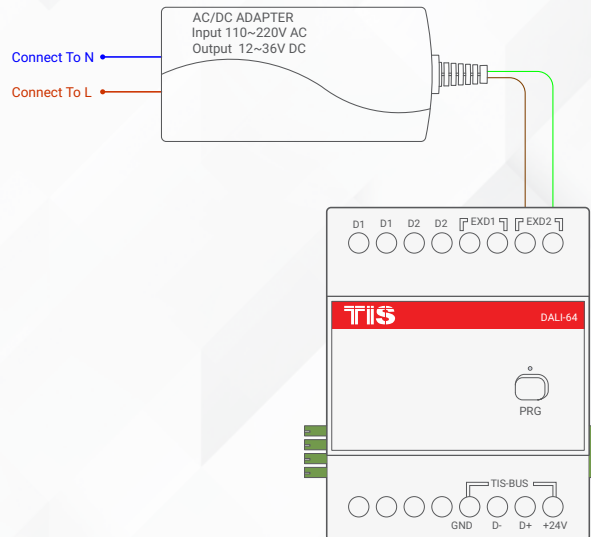




INSTALLATION STEPS

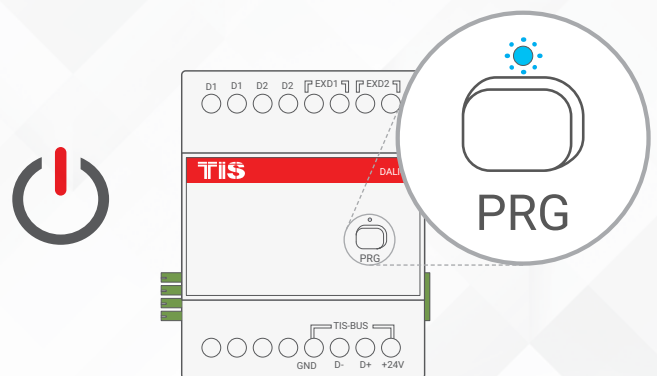
5»

If your DALI network is big and requires an external power supply, you can connect the DALI external power supply to EXD1, EXD2.



6»

Turn on TIS power supply. The module's PRG LED should start blinking.





TROUBLESHOOTING



PRG Button Blinks Red Color Rapidly

Reason: The Module address conflicts with other device in TIS network, you need to press and hold the PRG button for 6 seconds so the module can get 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: TIS-BUS connection has a problem; check the wires and make sure there's not a short in the connection.

Reason 2: Programming address is wrong.



Device cannot scan DALI devices

Reason 1: The external power is enabled and no power supply is connected, or the internal power is enabled in the software and an external DALI power supply is connected.

Reason 2: There is short in DALI D1 and D2 wires.