

Power Supply Unit (Driver) of the TRA, TRX Series

Operating Manual

1. Overview and Purpose of the Device

The power supply unit is designed for connecting magnetic track lighting systems to an AC network with a nominal voltage of 85-264V and a frequency of 47-63Hz, converting it to a safe, extra-low voltage of 48V. Operation of these track systems without power sources is not permitted. The device is intended for indoor use only, in environments without aggressive substances or airborne particles, within a temperature range of -40 to +80°C and relative humidity of up to 85%. The power supply's design allows it to be mounted in the track housing and secured using clips. For enhanced aesthetics, a decorative molding can be used to cover the track with the power supply.

2. Technical Specifications

Model	Input Voltage and Frequency	Output Voltage	Electric Shock Protection Class	Max. Current Load	Max. Power Consumption	IP Rating	Operating Temperature	Housing Material	Color	Dimensions (mm)	
TRA004DR-100S	85-264V 47-63Hz	DC 48V	I	2,3A	100W	IP20	-30 ... +70°C	Metal	Gray	30x97x129	
TRA004DR-150S				3,3A	150W					30x97x159	
TRA004DR-200S				4,2A	200W				30x115x215		
TRA004DR-320S	88-264V 47-63 Hz		6,7A	320W							
TRA034DR-100W-DD-B-DE	180-265V 47-63Hz		II	2,3A	100W					Aluminum	Black
TRA034DR-100W-DD-W-DE				4,2A	200W				White		
TRA034DR-200W-DD-B-DE		180-265V 47-63 Hz	II	4,2A	200W	Aluminum	Black	22x45x330			
TRA034DR-200W-DD-W-DE							White				

3. Contents

- Power Supply Unit (Driver)
- Operating Manual

4. Safety Precautions



- All installation and connection work must be performed by qualified personnel with appropriate credentials. If necessary, contact a qualified electrician.
- Perform all installation and removal work only when the network is de-energized.
- Operating the power supply without a protective ground wire is prohibited.
- When configuring a track system, do not exceed the total current load of 1.25/2.08A per power supply (depending on the model).
- It is recommended to use a power supply with a 20% capacity buffer above the total power requirement of connected luminaires.
- Do not operate the device with a damaged housing or insulation on the power cable.
- This product is for indoor use only.
- Do not use in high-humidity environments or areas with excessive dust or airborne particles.

5. Installation and Operation Instructions

- Remove the power supply from the packaging and perform a visual inspection: the unit should be free of visible defects and damage.

- Disconnect and prepare the network power cable for connection.
- Connect the track power supply input wires to the appropriate screw terminals on the power supply (brown or black wires to V+ terminal, and white or blue wires to V-). Refer to Fig. 1.
- Route the power cable to the track installation site, connecting it to the appropriate screw terminals on the power supply (yellow-green wire to the ground terminal \oplus , blue to N terminal, any other color to L terminal). Refer to Fig. 2.
- Mount the power supply in the track's housing by clicking it into place, connect the track power input similarly, and position magnetic track luminaires along the track.

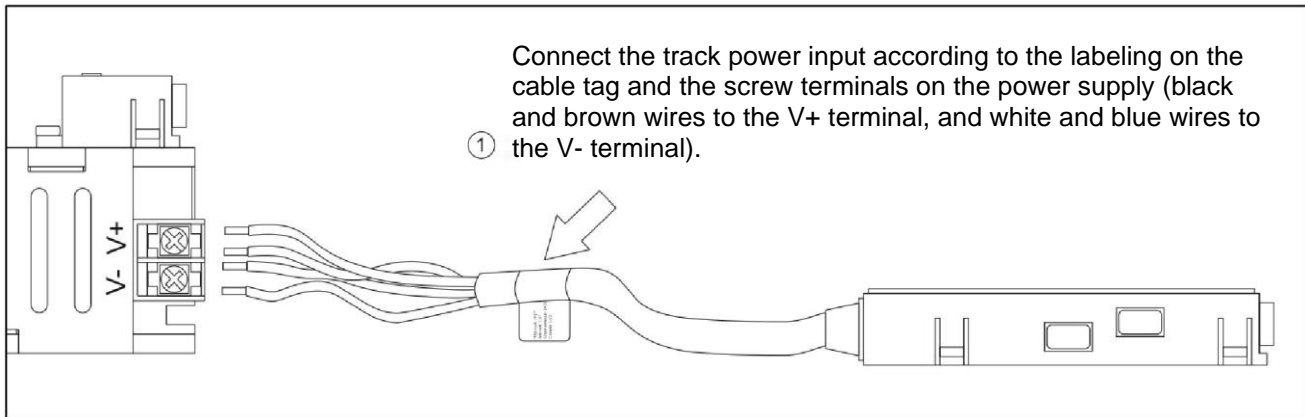


Figure 1: Connecting Track Power Input

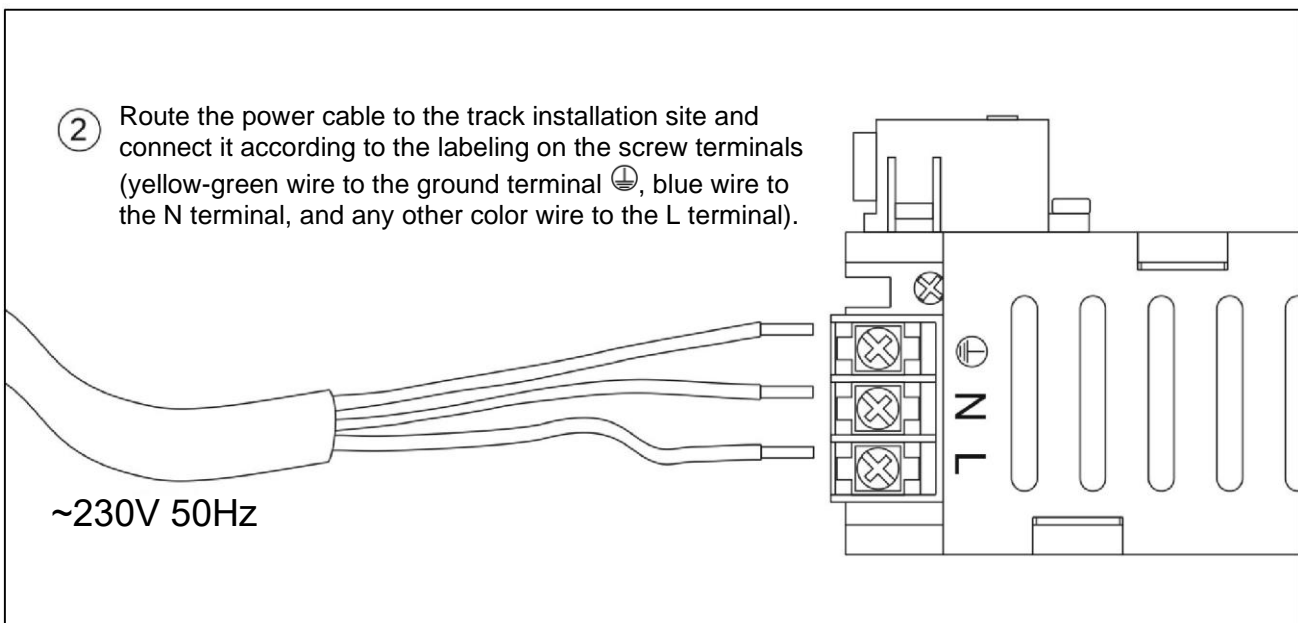


Figure 2: Connecting Network Cable

Troubleshooting:

Issue	Cause	Solution
The lamp does not work	No contact in connections	Secure the luminaire in the track until the adapter makes full contact with conductors Check connections at track power input and other points
	Power supply is faulty	Contact the seller for replacement under warranty
	Luminaire malfunction	

The luminaire flickers or glows dimly when turned off.	An illuminated switch is installed to control the lighting circuit, or a motion (light) sensor is being used.	Replace the switch with a non-illuminated model or one with a bypass resistor; use a motion sensor with relay output only
Unstable glow, flickering, extraneous sound	A brightness controller (dimmer) is installed in the power circuit	Remove the dimmer from the circuit and replace it with a switch
	Power supply malfunction	Contact the seller for warranty service or replacement

6. Storage

Store the product in its packaging in a space free from aggressive substances. Storage temperature should range from -40 to +80°C with relative humidity not exceeding 85%. Avoid direct exposure to moisture.

7. Transportation

The product, in its packaging, is suitable for transport by sea, rail, road, and air.

8. Disposal

The device contains multiple electronic components and is not subject to standard household waste disposal rules. Please contact specialized electronic equipment disposal centers.

9. Warranty

- This product is covered by a 36-month warranty from the date of sale, documented by proof of purchase.
- Warranty service is provided if the malfunction is due to a manufacturing defect and all handling, transport, and storage guidelines in this manual are followed.
- The warranty is void in cases of misuse, post-purchase damage due to negligence, failure to follow instructions, or exposure to forces beyond control, including fire, flood, electrical surges, and other natural disasters or intentional damage by third parties.

10. Manufacturer and Importer Information

Manufacturer/Importer:
«MAYTONI GMBH», Feldstiege 98, 48161
MÜNSTER, Germany, info@maytoni.com

11. Certification

Safety Standards, Regulations, Requirements EC is on the first place.