

Precautions

Installation Notes

- ▶ Install in accordance with all local wiring regulations and building regulations.
- ▶ This product must be installed and serviced by a qualified professional.

IMPORTANT

- ▶ Please read prior to installation.
- ▶ Please read these instructions carefully before commencing any work.
- ▶ Please retain these instructions for future reference.

Electrical

- ▶ Switch the power off at the mains supply before installing or maintaining this fitting.
- ▶ Ensure others cannot restore the electrical power supply without your knowledge.
- ▶ Only install compatible constant voltage LED fixtures and controls. 12V products should be used with a 12V driver and 24V products should be used with a 24V driver. Contact technical support or visit the product page for compatible products.
- ▶ Connect products with correct polarity. The positive cable (+) should be connected to the positive terminal on the driver. The negative cable (-) should be connected to the negative terminal on the driver.
- ▶ Do not wire output (SEC) to the mains supply.
- ▶ Ensure that the power capacity of the LED driver is greater than the total load of all the connected products.
- ▶ Ensure appropriate cables are installed between driver, fixtures, and any controllers. When choosing cable, factor in voltage drop, current rating and type. Inadequate cables could overheat and cause a fire.
- ▶ The maximum length of output cable to the light source should not exceed 2 metres to meet EMC standard.
- ▶ Minimum distance between plug top and driver must not be less than 1.5 metres.
- ▶ Do not install if the product has visible damage.
- ▶ Do not modify or disassemble the product beyond instructions or the warranty will be void.

Mechanical

- ▶ The driver will generate heat during use. It should be installed in a well ventilated location free from explosive gases and vapours and mounted to a surface that will dissipate this heat i.e. metal, not wood or plastic.
- ▶ The driver should be fixed to a surface using fixing points.
- ▶ Protect the driver from mechanical damage. Take care not to dislodge any components during installation. Ensure that cables connected to the driver cannot be pulled and are secured to provide strain relief.

Environmental

- ▶ The product should only be used in an environment with an ambient temperature between -20°C to +40°C.
- ▶ The temperature of the LED driver should never exceed 80°C when in operation.
- ▶ IP20 drivers are not waterproof and can only be installed indoors and with humidity of no more than 55%.
- ▶ IP67 drivers are suitable for indoor and outdoor installation.
- ▶ Install in a location without chemicals like sulphur, acid and halogen present.
- ▶ Avoid direct exposure to sunlight and protect cables from UV rays with suitable silicone sheath.

Product Warranty

1. A warranty period is provided for products in normal use. For any faults arising during the period that are confirmed to be quality related by inspection by the company, a product of the same specification will be replaced for free.
2. The warranty does not cover any of the following:
 - (1) Any product damage due to usage not allowed in the instructions.
 - (2) Any product damage due to disassembling or wrong operation by the user.
 - (3) Severe appearance damage or deformation of the product.

CLASS I Professional LED Drivers

▶ 12V & 24V Constant Voltage

tagra[®]

User Manual

Applies to CLASS I Tagra[®] power supplies.



WARNING

Shock hazard. May result in serious injury or death. Isolate supply before installation. Complete electrical safety checks before commissioning. Inspect regularly in accordance with local regulations



WARNING

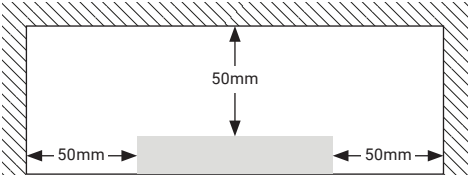
Risk of fire. Ensure correct cable sizing, over-current protection, ventilation and keep away from combustible materials.



v5

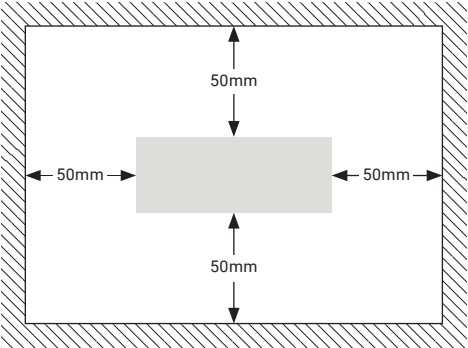
Mounting Location

Plan View

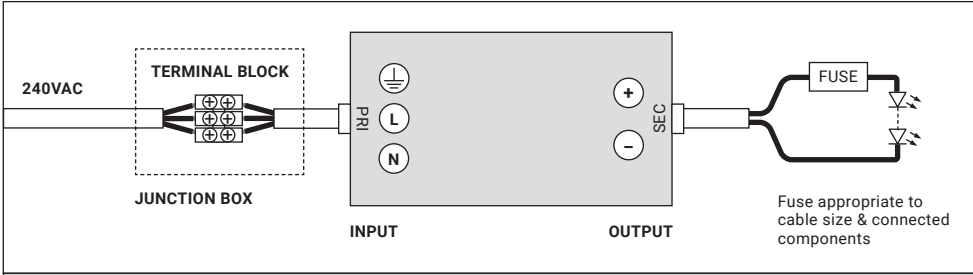


The driver will generate heat during use. It should be installed in a well ventilated location free from explosive gases and vapours and mounted to a surface that will dissipate this heat e.g. metal, not wood or plastic.

Top View



Wiring Diagram



Applies to SKU Codes:				
TAG12V50WIP67	TAGTHIN12V60WIP67	TAG24V100WIP67B	TAG24V240WIP67	TAGTHIN24V100WIP67
TAG12V100WIP67B	TAGTHIN12V100WIP67	TAG24V150WIP67B	TAG24V320WIP67B	
TAG12V150WIP67	TAG24V50WIP67	TAG24V200WIP67	TAGTHIN24V60WIP67	

Cable Colours				
YELLOW/GREEN	BROWN	BLUE	RED or WHITE	BLACK

Installation

Refer to the "Electrical" section listed in the precautions.
Ensure all components compatible. Configure and pre-test system prior to permanent installation.

1. Use a terminal block and junction box for connections.
2. Connect LED system on the output (SEC) side of the driver . Check polarity.
3. Connect the mains supply wires on the input (PRI) side of the driver. Check polarity.
4. Check cable strain relief.
5. Complete electrical safety checks.

List of SKU's

SKU	Dimensions	Mounting Points (F1 x F2)
TAG12V50WIP67	L 157mm x W 52.9mm x H 36.5mm	144.5mm x 24.7mm
TAG12V100WIP67B	L 172.6mm x W 62.5mm x H 38mm	156.8mm x 33.3mm
TAG12V150WIP67	L 193.6mm x W 62.5mm x H 38mm	177.8mm x 33.3mm
TAGTHIN12V60WIP67	L 333.6mm x W 30mm x H 17.5mm	323.6mm x 10mm
TAGTHIN12V100WIP67	L 350mm x W 30mm x H 18.6mm	340.6mm x 10mm
TAG24V50WIP67	L 157mm x W 52.9mm x H 36.5mm	144.5mm x 40.9mm
TAG24V100WIP67B	L 172.6mm x W 62.5mm x H 38mm	156.8mm x 33.3mm
TAG24V150WIP67B	L 193.6mm x W 62.5mm x H 38mm	177.8mm x 49.5mm
TAG24V200WIP67	L 220.6mm x W 62.5mm x H 38mm	204.8mm x 33.3mm
TAG24V240WIP67	L 220.6mm x W 62.5mm x H 41.3mm	204.8mm x 33.3mm
TAG24V320WIP67B	L 261mm x W 62.5mm x H 41.4mm	245.2mm x 33.3mm
TAGTHIN24V60WIP67	L 333.6mm x W 30mm x H 17.5mm	323.6mm x 10mm
TAGTHIN24V100WIP67	L 350mm x W 30mm x H 18.6mm	340.6mm x 10mm

