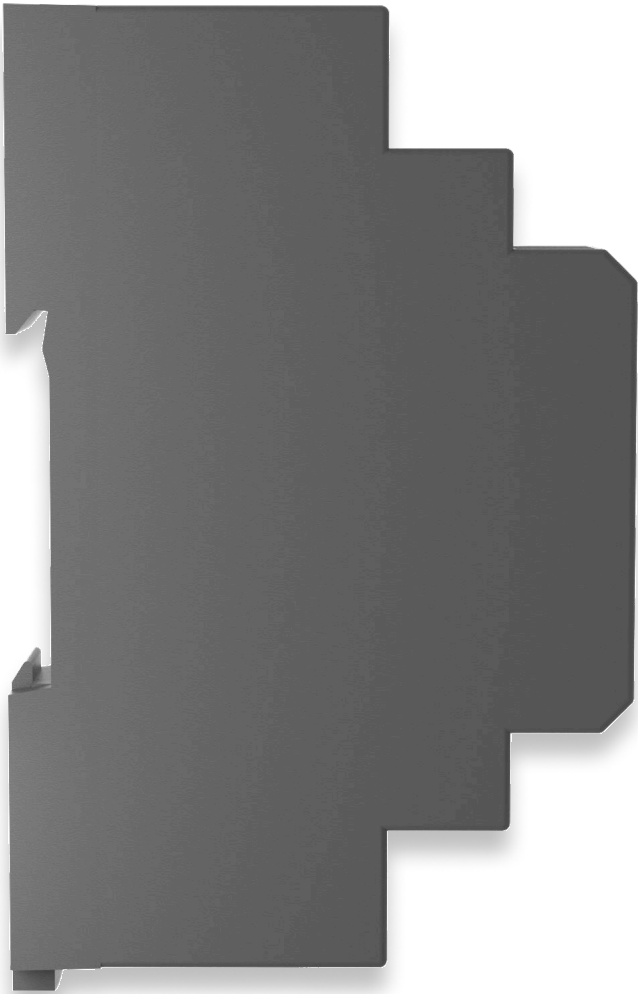




Installation guide

Power Supply

MEAN WELL HDR-15-5

1. Important safety instructions



Read these instructions carefully and keep them for future reference. If this product is passed to a third party, then these instructions must be included.

When using electrical appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and/or injury to persons including the following:

DANGER Risk of serious injury or death!

- For use in a controlled environment. Refer to this installation guide for environmental conditions.
- This product should be installed, maintained and operated by qualified professionals only.
- Risk of electrical shock and energy hazard. All failures should be examined by a qualified technician. Do not remove the case of the product yourself.
- Risk of electric arcs and shocks. Do not connect the primary and the secondary sides together.

DANGER Risk of burns!

- Do not touch the product in operation and/or shortly after disconnection.

DANGER Risk of fire or short circuit!

- The openings should be protected from foreign objects or dripping liquids.

DANGER Risk of serious injury!

- Only install the product in a pollution degree 2 environment. Pollution degree 2 applies where there is only non-conductive pollution that might temporarily become conductive due to occasional condensation. Install in dry, well-ventilated locations, such as control cabinets.

WARNING Risk of serious injury!

- Do not install the product in places with high moisture or near water.
- The maximum operating temperature is 50 °C for the HDR-15-5 power supply; do not install the product in places with high ambient temperature or near a fire source.
- Output current and output wattage should not exceed the rated value on its specification.
- Disconnect the product from supply voltage before installation, maintenance, or modification work. Ensure that inadvertent connection in circuit is not possible.

NOTICE This is not a Tibber product, but it's fully compatible with Tibber products.

No liability will be accepted for damages resulting from improper use or non-compliance with these instructions.

2. Intended use

- This product is intended for supplying power to up to four Pulses.
- This product is intended to be used in dry indoor areas only.

3. Before first use

DANGER Risk of suffocation!

Keep any packaging materials away from children – these materials are a potential source of danger, e.g. suffocation.

- Check the product for transport damages.
- Remove all the packing materials.
- Before connecting the product to the supply voltage, check that the supply voltage and current rating correspond with the power supply details shown on the product rating label.

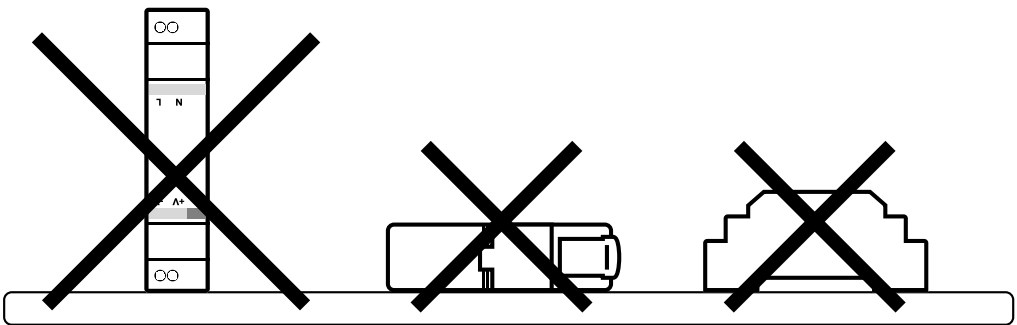
4. Installation safety information

DANGER Risk of serious injury or death!

- Before installing the product, ensure that the power is off.
- This product should be installed, maintained and operated by qualified professionals only.

WARNING Risk of serious injury or damage!

- Always ensure there are good ventilation clearances in place around the product – 5 mm left and right, 40 mm above and 20 mm below – to prevent it from overheating.
- The appropriate mounting orientation is vertical, with the input terminals at the bottom and output on the top. Mounting upside down, horizontal or table-top mounting is not allowed.

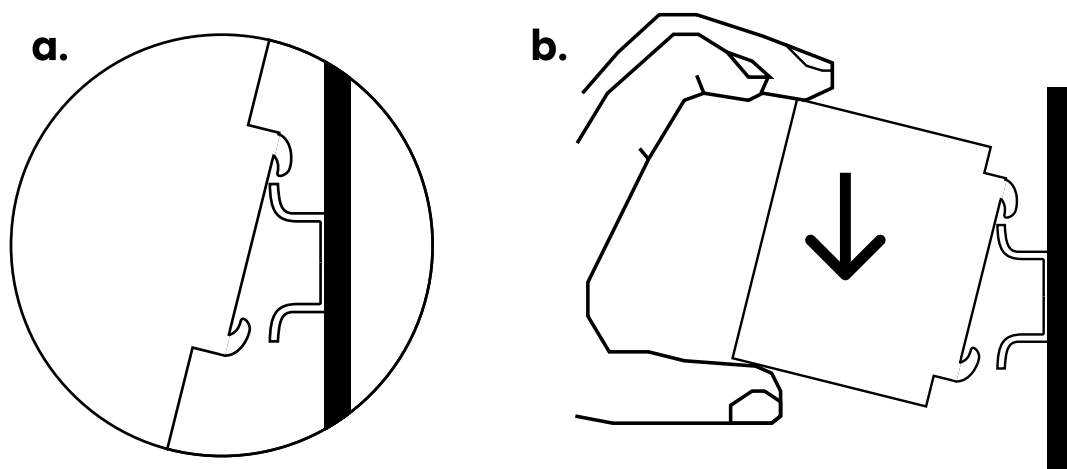


WARNING Risk of serious injury or damage!

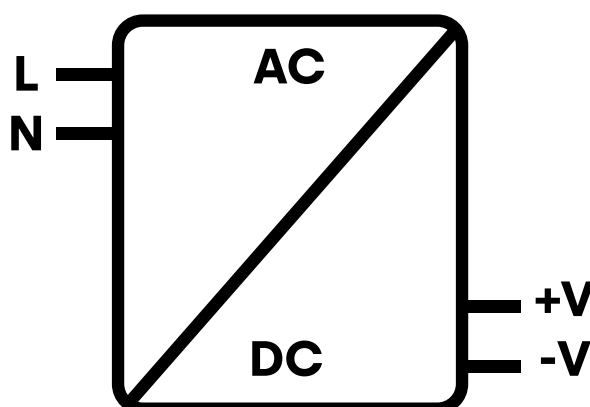
- Ensure that all strands of each stranded wire enter the terminal connection and the screw terminals are securely fixed to prevent poor contact.
- Use wires that can withstand temperatures of at least 80 °C, such as UL1007.
- Recommended wire strapping length is 6 mm (0.236").
- Recommended screwdriver is 3 mm, slotted type.
- The recommended torque setting for terminals is 5 kgf-cm (4.4 lb-in).

5. Installation instructions

1. Make sure the power is off.
2. Mount the power supply on the DIN rail.
Make sure the input terminals are down for optimal cooling. Admissible DIN rails are TS35/7.5 or TS35/15.
 - a. Hook the DIN module onto the rail.
 - b. Pull down until the module clicks in place. Shake to confirm locking.



3. Connect power to the N and L screw terminals.
4. Connect the USB cable to the module; black cable to -V, red cable to +V.
5. Connect the micro-USB connector to the Pulse.



Simple connection diagram

NOTICE You can power up to four Pulses with a HDR-15-5 power supply.

NOTICE The power supply has an adjustable voltage. Adjustments are not necessary since the Pulse will work at any voltage that this module can provide.

NOTICE If the Pulse is battery operated, the batteries can remain in the device; they will power the unit if the power supply fails.

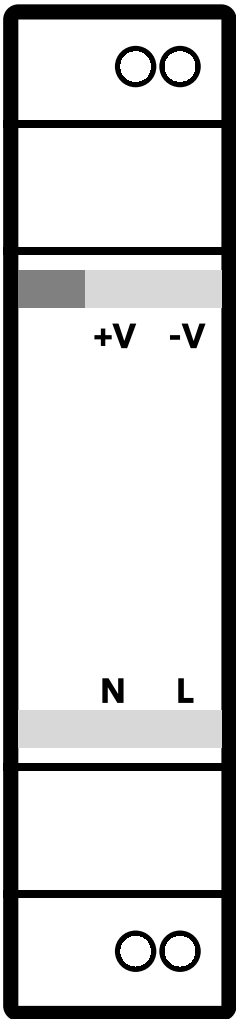


Illustration of the module

6. Specifications

Power supply

Input voltage:	110-240 VAC 50/60 Hz
Input current:	Up to 0.5 A
Output voltage:	5 V +/- 0.5 V
Output current:	Up to 2.4 A
Isolation:	Class II

USB cable

USB end:	90-degree angled micro-USB-B
Cable end:	Terminated cables for ground and 5 V
Cable length:	1 m

7. Simplified declaration of conformity

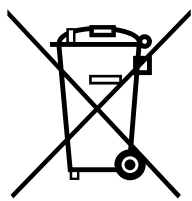


Hereby Tibber AS declares that the radio equipment type ITEM No. HDR-15-5 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at https://pulse.tibber.com/hdr-15-5_conformity

8. Disposal

8.1 Disposal of electronic components



The Waste Electrical and Electronic Equipment (WEEE) Directive aims to minimise the impact of electrical and electronic goods on the environment, by increasing re-use and recycling and by reducing the amount of WEEE going to landfill.

The symbol on this product or its packaging signifies that this product must be disposed separately from ordinary household wastes at its end of life. Be aware that it's your responsibility to dispose of electronic equipment at recycling centers in order to conserve natural resources. Each country should have its collection centers for electrical and electronic equipment recycling. For information about your recycling drop off area, please contact your related electrical and electronic equipment waste management authority, your local city office, or your household waste disposal service.

8.2 Disposal of packaging waste

The packaging is made of environmentally friendly materials, which you can dispose of at your local recycling facility. By properly disposing of the packaging and packaging waste, you help avoid possible environmental and public health hazards. Nature will be thankful!

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