

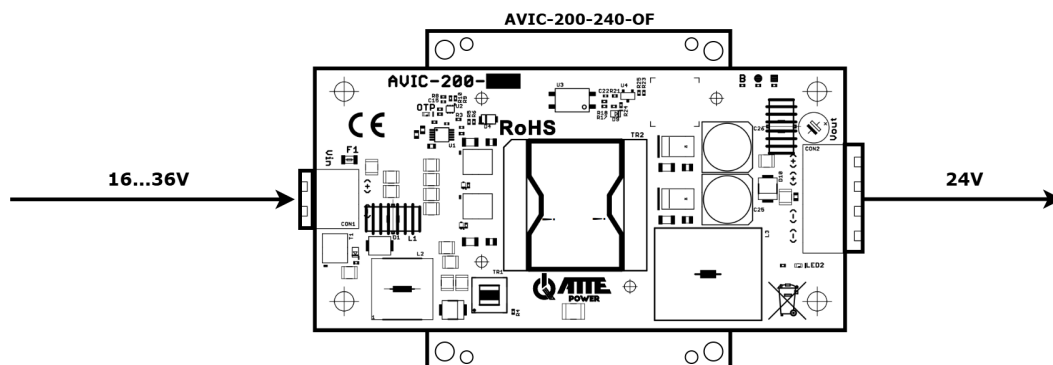
- **LED2** (red) – presence of power at the output
- **LED OTP** (red) – the device exceeded a temperature of 70°C

Instruction manual

AVIC-200-240-OF

Isolated voltage stabilising converter from
16...36V to 24V, Iout 8A, Pout 200W

Basic application



Description

AVIC-200-240-OF is an isolated voltage stabilising converter. The converter provides a stable 24V voltage when connected to a power supply in the range of 16V to 36V.

The main application of the device is voltage stabilisation in 24VDC buffer systems. The circuit ensures safe operation of powered monitoring devices regardless of the battery charge level.

Galvanic isolation provides additional protection for the circuit and prevents interference from penetrating the AVIC module.

The converter is equipped with an aluminium heat sink that allows the device to be mounted on any flat surface.

The OF (Open Frame) design allows the device to be installed in any enclosure, but the most convenient way to mount it is to use dedicated ABOX series enclosures and mounting plates equipped with 10.8 mm grid system holes.

Installation

1. Mount the device in the selected installation location. You can use the aluminium heat sink located at the rear of the converter.
2. Connect the power cables to the Vin screw terminal block and the load cables to the Vout screw terminal block.
3. Plug the screw terminals into their sockets.
4. Switch on the module power supply.

Troubleshooting

Q1. The „LED2” light is not lit.

AI LED2 should always be lit when the device is powered. If the LED is not lit, check the following:

1. Check that power is being supplied to the input terminal.
2. Ensure that the device is powered by an input voltage within the range of 16...36V.
3. Check whether the output socket has a voltage of 24V.
4. If the above suggestions do not solve the problem, please contact our technical support department (tel. no.: +48 12 378 94 02).

Technical Specification

Output voltage	24 VDC +/-5%
Input voltage	16 ... 36 VDC
Efficiency	92% @Vin = 28 V, Pout = 200 W
Maximum power	200 W
Maximum current	8 A
Converter idle current	30 mA @Vin = 28 V
Protection	Surge protection Overload protection Thermal protection (80°C)
Isolation	1 kV
Operation indication	LED OTP (red) – the device exceeded a temperature of 70°C LED2 (red) – presence of power at the output
Housing Construction	None - built-in module (Open Frame)
Assembly	Snap-on distance plugs, mounting holes in 10.8 mm grid Wall-mounted using holes in the aluminium radiator
Operating Temperature	-25 ... +65°C
Dimensions	70 x 115 x 31 mm
Weight	0,14 kg

Find out more

AVIC-200-240-OF
on the WWW site



ATTE Technical
Support Portal



Safety Precautions

- The device is intended for installation by a qualified installer who has appropriate competences and permits and authorizations (if required for a given country) to connect (interfere with) low-voltage installations.
- The device should be installed indoors. About normal air humidity and temperature. The method of mounting the device and laying the cabling should ensure free air flow. It is recommended to use ABOX series housings, which allow for convenient installation outdoors, indoors and in RACK cabinets.
- For proper operation of the module, appropriate voltage and current capacity of the power source must be ensured.
- Any maintenance operations may only be performed after disconnecting the power supply. Under normal conditions, the device does not require any maintenance.
- In case of damage or doubts as to the correct operation of the device, stop using it immediately.
- In the case of fiber optic devices, do not look into the fiber optic port when the device is turned on. The invisible beam can damage the retina of the eye.
- Before connecting PoE PASSIVE receivers (e.g. WiFi antenna), make sure that the voltage value and polarization on the RJ45 pins of the switch or power adapter are consistent with the values allowed by the receiver.

Before installation and during maintenance make sure that the mains voltage 230VAC is disconnected

This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead such equipment must be disposed of by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment.

