

# A-Z TRADERS

**Designed and Manufactured in the EU**



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# A-Z ROUTER SMART + accessories

## AZT-SMART 3f



AZ ROUTER SMART is an adjustable regulator of self-consumption of photovoltaic power plants. After correct installation and adjustment, the controller optimizes its own consumption of electricity produced by your photovoltaic power plant. AZ ROUTER SMART consists of a DRP-3SM measuring unit installed...

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## PRODUCT DESCRIPTION

**AZ ROUTER SMART** is an adjustable regulator of self-consumption of photovoltaic power plants. After correct installation and adjustment, the controller optimizes its own consumption of electricity produced by your photovoltaic power plant. AZ ROUTER SMART consists of a DRP-3SM measuring unit installed in a cabinet and a DRP-3SL wireless control unit installed on the wall.

The AZ ROUTER SMART equipment set is used for efficient use of energy produced from a photovoltaic power plant. It continuously measures the total energy balance of the building and prevents the flow of energy from the building to the public distribution network, the so-called overflow.

The overflow of energy is undesirable from the point of view of the economics of the operation of the photovoltaic power plant, because it is the generated energy that is sent to the distribution network free of charge instead of being used effectively in the home.

However, for the AZ ROUTER SMART function itself, it is necessary to ensure sufficient storage capacity of the appliance that stores its own overflows for later use (e.g. DHW tank heater, pool heater, etc.).

**The installation of the device is intended only for trained technicians with electrotechnical education, decree no. 50/1978 Coll. and with experience in installing control technology for PV plants.**

## Main functions and features:

- Three-phase indirect current measurement
- Three-phase direct voltage measurement
- Independent calculation of current direction and total power for each measured phase
- Independent measurement in each phase increases control accuracy for systems with asymmetrical inverters
- Flow regulation is carried out independently in each phase
- The HDO input on the measuring unit, together with the setting, allows the appliance to be forced to switch on according to the user's requirements
- The MODE input allows switching between two scenarios (settings) of the device
- Integrated real-time module backed up by a lithium battery

- Wireless connection of units speeds up installation and expands placement options

## Package Contents:

- 1x DRP-3SM measuring unit
- 1x DRP-3SL control unit
- 1x Antenna 2dBi direct 433MHz (white)
- 1x Antenna 2dBi direct WIFI (black)
- 1x Antenna 3dBi angular
- 1x (3x) Current transformer AZC-5050

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*In extreme cases of necessity, some components can be exchanged for products with functionally equal or better characteristics.*

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Service: **servis@aztraders.cz**

Code	Manufacturer	Product	Description	Number of pieces
R0001	AZ Traders	AZrouter SMART 3F	Regulation of FVE flows for water heating. No need for SSR relay, everything is contained in one device. This product is wireless and the package contains everything needed to connect a 3-phase boiler.	1
R0003	AZ Traders	AZrouter SLAVE	SLAVE unit for 2 or 3 boilers. Regulation of FVE flows for water heating. No need for SSR relay, everything is contained in one device. This product is wireless and the package includes an additional unit	1
R0005	AZ Traders	AZrouter external antenna	Antenna for increasing the signal range between the transmitter and receiver of the Azrouter signal	1