

MODWF

WiFi / SERIAL TRANSCEIVER

LAUMAS®
ELETTRONICA



MODBUS RTU

DESCRIPTION

- WiFi communication interface device between two serial devices.
- Transceiver in IP65 polycarbonate box with 3 PG9 cable glands (on request IP67 version).
- Dimensions: 170x80x65 mm (four fixing holes Ø4 mm; centre distance: 120x60 mm).
- Backlit alphanumeric LCD display, two-line by 8-digit (5 mm height), visible area: 38x16 mm.
- 6 signalling LED.
- 4-key membrane keyboard.

INPUTS/OUTPUTS AND COMMUNICATION

- WiFi module for wireless connection with ModBus RTU, ASCII Laumas protocols.
- RS485/RS232 serial ports for communication via protocols ModBus RTU, ASCII Laumas bidirectional or continuous one way transmission.

MAIN FUNCTIONS

- Connections to:
 - PC via WiFi/virtual Ethernet port;
 - PC/PLC via RS485/RS232 (up to 99 instruments with line repeaters, up to 32 without line repeaters);
 - others MODWF devices and Laumas W series instruments (equipped with OPZW1RADIO optional module) via WiFi.
- WiFi/serial tunnel function.
- Communication with existing WiFi networks.
- Energy saving mode.



CERTIFICATIONS

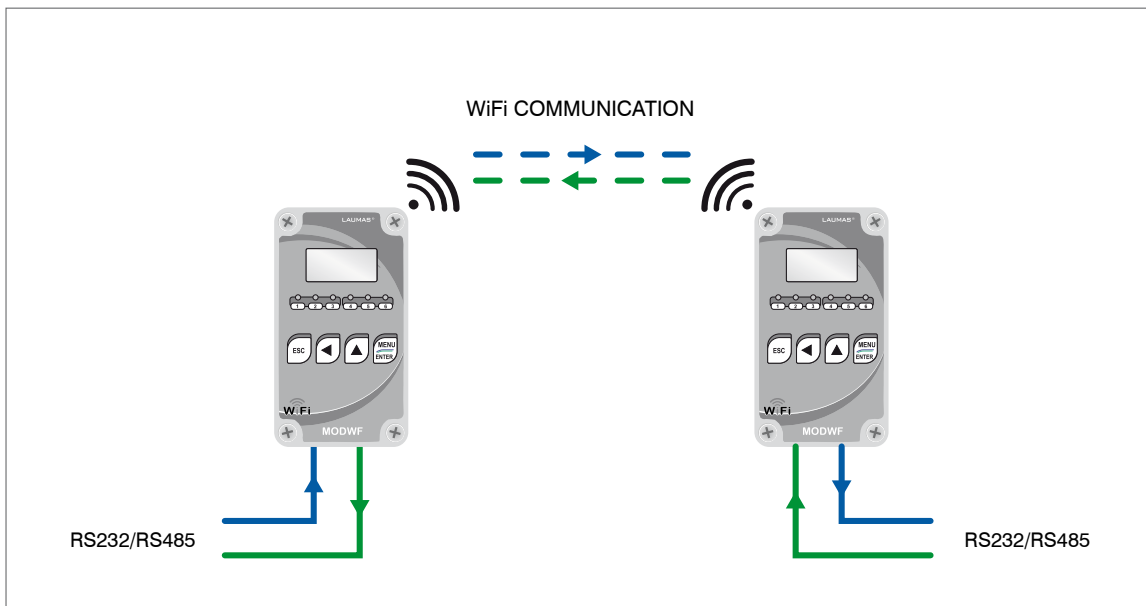
CERTIFICATIONS ON REQUEST






Complies with the Eurasian Custom Union standards (Russia, Belarus, Kazakhstan)

TECHNICAL FEATURES

Power supply and consumption	12÷24 VDC ±10%; 2 W
Serial ports	RS485, RS232
Baud rate	2400, 4800, 9600, 19200, 38400, 115200 (bit/s)
Wireless	WiFi module with serial protocols in tunnel mode. Radio range up to 100 m line of sight.
Humidity (condensate free)	85%
Storage temperature	-30°C +80°C
Working temperature	-20°C +60°C



OPTIONS ON REQUEST

	DESCRIPTION	CODE
	<p>IP67 polycarbonate waterproof box 170x80x65 mm (4 fixing holes Ø4 mm; centre distance: 120x60 mm).</p> <ul style="list-style-type: none"> ■ 2 PG9 cable glands. ■ Extractable power connector. <p>→ <i>instrument not included.</i></p>	OPZWFIP67
	<p>Rechargeable external lead battery.</p> <ul style="list-style-type: none"> ■ 12 V - 2200 mAh capacity ■ IP67 polycarbonate waterproof box 160x80x85 mm with transparent cover (4 fixing holes Ø4 mm; centre distance: 152x122 mm). ■ Battery charger. ■ 26 hours operating time*. 	BATEXT
	<p>Rechargeable internal NiMH battery.</p> <ul style="list-style-type: none"> ■ 8 elements - 1.2 V - AA type - 2450 mAh capacity. ■ Supplied already installed in the instrument, with external dedicated switch: 190x80x65 mm overall box dimensions. ■ 24 hours operating time*. 	OPZBATTWF

* Approx. maximum operating time for typical use with fully charged battery, with 4 load cells (350 ohm) and energy saving mode enabled.