

CODE: **INTRW** v.1.1/V
 TYPE: **Interface RS485-WIFI**

EN*



Features:

- wireless connection via Wi-Fi
- Permission of the Scientific and Research Centre for Fire Protection - National Research Institute for use with power supplies of the EN54 series in fire alarm systems
- communication in the 2.4GHz band compliant with the IEEE 802.11b/g/n
- data encryption: WEP, WPA, WPA2
- assigning a static or dynamic IP address (DHCP server)
- configured with the PowerConfig program
- power supply 10 ÷ 30 V DC
- Supports up to 31 devices on the bus in compliance with the EIA RS-485
- cooperation with the PowerSecurity software
- optical indication
- hermetic enclosure IP65
- warranty - 5 years from the production date

DESCRIPTION

The RS485-WiFi is designed for converting signals between the RS485 bus and the WiFi network and is designed to work with power supply units of the PSBEN or EN54 series in the WLAN/WAN network. For proper operation, the unit requires an external power supply in the range of 10÷30 V DC e.g. drawn from a PSU of the PSBEN or EN54 series. The unit is mounted in a hermetic enclosure protecting against adverse environmental conditions.

Power supply	10 ÷ 30 V DC
Current consumption	20 ÷ 80mA
Frequency	2,4GHz IEEE 802.11 b/g/n
The receiver sensitivity	-97dBm
Transmitter power	17dBm
TTL transmission speed	max 115200 bauds, with parity check
Wi-Fi Transmission speed	max 11Mbps
Encoding	WEP, WPA, WPA2
Indication (LED lights):	WiFi_ON, HOST, RX_WiFi, RX_COM, the signal level
Operating conditions	temperature -10 °C ÷ 40 °C relative humidity 20%...90% no condensation
Dimensions (LxWxH)	121(+72 antenna) x 81 x 60 [mm]
Net / gross weight	0,20kg / 0,25kg
Protection class	IP65
Storage temperatur	-20°C...+60°C
Declarations, warranty	CE, 5 year from the production date
Others	Permission of the Scientific and Research Centre for Fire Protection - National Research Institute for use with power supplies of the EN54 series in fire alarm systems.

Schematic diagram of WLAN network communication.

