CODE: **INTRE** v.1.1/IV
TYPE: **Interface RS485-ETHERNET**

EN*



CE

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## PSU features:

- Operation in the ETHERNET network via the RJ45 connector
- 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
- compliant with the IEEE 802.3 standard
- transmission speed 10/100Mbps
- full duplex or half-duplex mode (auto-negotiation)
- assigning a static or dynamic IP address (DHCP server)
- galvanic isolation between the Ethernet interface and the RS485 bus
- configured with the PowerConfig program
- 10 ÷ 30V DC power supply
- Cooperation with PowerSecurity software
- optical indication
- hermetic enclosure IP65
- warranty - 5 years from the production date

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### DESCRIPTION

The RS485-ETHERNET network interface is a device used to convert signals between the RS485 bus and the Ethernet network and is designed to operate with power supplies of the PSBEN or EN54 series in the LAN/WAN network. For proper operation, the unit requires an external power supply in the range of 10÷30V DC e.g. drawn from a PSU of the PSBEN or EN54 series. The physical connection of the interface takes place under galvanic isolation. The unit is mounted in a hermetic enclosure protecting against adverse environmental conditions.

| | |
|---|---|
| **Power supply** | 10 ÷ 30V DC |
| **Current consumption** | max 0,95W |
| **TTL transmission's speed** | max. 115200 bauds, parity check |
| **LAN transmission's speed** | 10/100Mbps (auto-sensing) |
| **Indication (LED lights)** | Tx, Rx, PWR |
| **Operating conditions** | temperature -10 $^{o}$C ÷ 40 $^{o}$C<br>relative humidity 20%...90% no condensation |
| **Dimensions (LxWxH)** | 121 x 81 x 60 [mm] |
| **Net/gross weight** | 0,26kg / 0,36kg |
| **Protection grade** | IP65 |
| **Storage temperature** | -20ºC...+60ºC |
| **Declarations, warranty** | CE, RoHS, 5 years 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 Ethernet network communication

Router WiFi

EN54+RS485  EN54+RS485  PSBEN+RS485  PSBEN+RS485

Statyczny
adres IP

Interfejs
RS485-ETHERNET
"INTRE"

Magistrala RS485

10-30VDC

kabel Ethernet

EN54+RS485  EN54+RS485  PSBEN+RS485  PSBEN+RS485

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