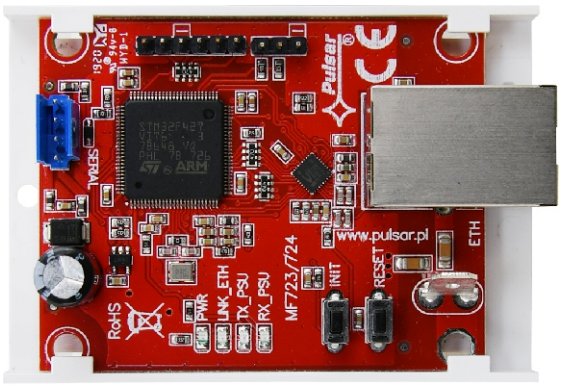
CODE: **INTE-C** v.1.0/III **EN**
TYPE: **Interface ETHERNET**



CE

Features:

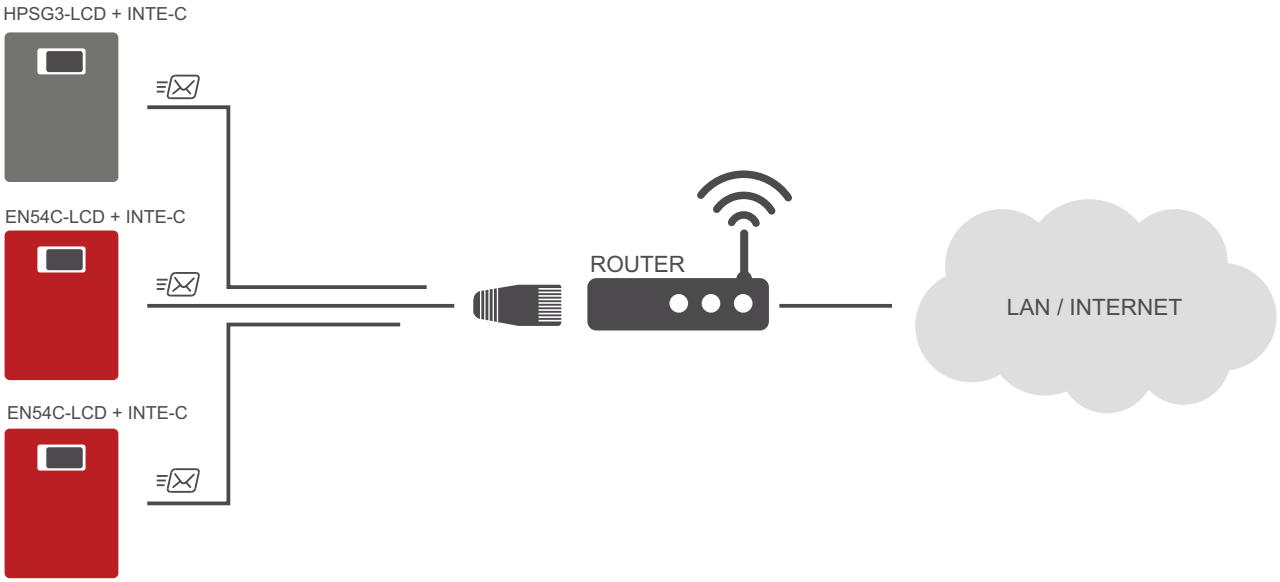
- connection to ETHERNET network via RJ45 connector
- permission of Scientific and Research Centre for Fire Protection - National Research Institute for use with power supplies of EN54C-LCD series
- cooperation with power supply units of EN54C-LCD and HPSG3-LCD series
- automatic email notifications of PSU malfunctions
- compliance with IEEE 802.3 standard
- 10/100 Mb/s transmission speed
- full-duplex or half-duplex operation (auto-negotiation)
- galvanic isolation between the Ethernet interface and the power supply
- power supply via „SERIAL" socketc
- cooperation with the PowerSecurity web application
- optical indication
- warranty: 3 years from production date

DESCRIPTION

The Ethernet INTE-C interface is intended for cooperation with PSUs of the EN54C-LCD and HPSG3-LCD series. The PowerSecurity software enables remote monitoring of parameters through a cyclical preview of the current status of the power supply, reading the event log and diagrams of currents and voltages and performing remote battery test.

Power supply	3,3V power through SERIAL outlet
Power consumption	max 0,4W
TTL transmission's speed	max 115200 bauds, with parity check
LAN transmission's speed	10/100 Mb/s (auto-negotation)
Optical indication	PWR – supply voltage indication (red LED) LINK_ETH – Ethernet port connected (green LED) TX – data transmission (yellow LED) RX – receiving data (green LED)
Operating conditions	humidity -10°C ÷ +40°C relative humidity 20%...90%
Dimensions (LxWxH)	71 x 50 x 20 [mm]
Net/gross weight	0,03 / 0,09 [kg]
Storage temperature	-20ºC...+60ºC
Other	Permission of Scientific and Research Centre for Fire Protection - National Research Institute for use with power supplies of EN54C-LCD series The interface in firmware version v1.2.3 and higher is compatible with power supplies of the HPSG3 series.

Schematic diagram of Ethernet network communication.



The network topology is based on the Ethernet switch (e.g. switch, router) to which subsequent PSUs with INTE-C interfaces are connected. Each interface has a static IP address. The communication between a PC and an end PSU takes place through entering the IP address of the interface.