



FIRE ALARM NOTIFICATIONS FOR TETRA RADIOS ESP9040

Transmission of messages in the ESPA4.4.4 protocol (used by fire alarm systems) via TETRA digital radio

The ESPA TETRA Gateway ESP9040 receives messages from e.g. a connected fire alarm system and transmits these messages via SDS and/or CallOut using TETRA digital radio. The destination for these alerts is specified in the settings. You can alert both individual subscribers and groups.

When you use CallOut for the alerting, the CallOut can be cleared on all devices once the first acknowledge has been received.



Easy installation

The ESPA TETRA Gateway ESP9040 is installed on an industrial PC using a simple setup file and, once installed, communicates with the fire alarm system on one side and with a TETRA radio on the other via two serial interfaces.

Self-monitoring

The connection to the fire alarm system is monitored by regular polling messages.

This way, a loss of connection can be noticed by the fire alarm system and is also displayed in the user interface of the ESP9040.

Additionally, the network connection of the connected radio is monitored and displayed in the user interface.

All events are logged in a log file.

Uncomplicated user interface

The ESP9040 user interface shows two lists. The first list contains the communication with the fire alarm system. The second list contains the communication with the connected radio.

ESPA 4.4.4 protocol

ESPA 4.4.4 is a serial protocol, created in 1984 by the 'European Selective Paging Manufacturers Association' (ESPA). It was originally created for interconnecting paging equipment with phone exchange systems and computers. Today, the ESPA 4.4.4 protocol is increasingly used for exchanging messages between two communication systems.



Markets

Public & private security, network operators, logistics, industry

Scope

Europe

Languages

German, English

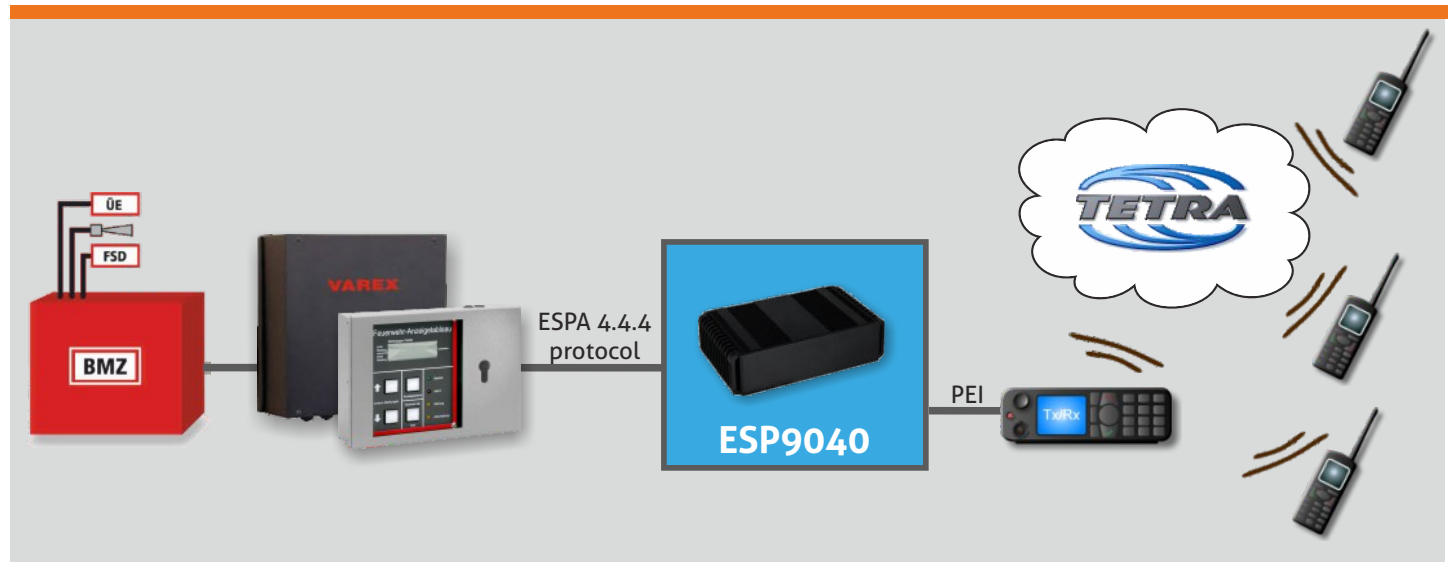


fig. system sketch ESP9040

FEATURES

- Easy installation via setup file
- Transmission of messages in the ESPA 4.4.4 protocol via SDS and CallOut
- CallOuts can be sent to individual subscribers and groups
- As an option, the CallOuts on all devices can be cleared once the first "acknowledge" has been received from one of the radios
- SDS can be sent to individual subscribers and groups
- The destination for the alerts is specified globally in the settings
- Display of connection status to fire alarm system (or other)
- Display of radio network connection

Application example

- Integration of a fire alarm system into the TETRA network
- Alerting an on-site fire department

Possible fields of application

- Fire alarm systems
- Silent alerting in public buildings
- Alarm server
- Hospitals
- Nursing homes
- Public utility companies, energy supplier
- Industry

SYSTEM FEATURES

- industrial PC
 - Windows 10 32Bit / 64Bit
 - Serial interface for TETRA radio
 - Serial interface for fire alarm system (or other)
 - Free USB port for licensing dongle
- Motorola MTM5x00 with cable PMKN4104A or USB.d ESPA4.4.4.
- TETRA infrastructure

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