

UDIS-FW

Signal transmission and remote monitoring of small stations via IP communication

AREAS OF USE | APPLICATIONS

- Pump stations
- Small purification plants
- High-level tanks
- Pressure booster systems

PRODUCT DESCRIPTION

With the help of the new UDIS-FW series, it is possible to transmit signals easily, securely and efficiently via mobile radio, dedicated leased lines, and DSL. For this, the UDIS-FW station has digital and analogue inputs as well as digital outputs. By using the housing of the previously used telecontrol stations with an analogue dial-up modem, these stations can be easily replaced by UDIS-FW. An uninterruptible power supply has been installed to bypass short-term power failures. In the event of a connection failure, no incoming data is lost. The backup of data is made via the OPC-UA internal standard Historical Access on a non-volatile storage medium in the control unit. When the connection is re-established, missing archive data is automatically transferred to the control system via UDIS-SHA. Other features

include the 230 V overvoltage protection, the compact IP-66 housing, burglar alarm, a fixed standardised quantity structure and communication via the current OPC-UA standard.

TECHNOLOGY

- OPC Unified Architecture
- 2G, 3G, 4G mobile radio
- Leased line cable via SHDSL
- DSL fixed line
- Archive data via OPC UA Historical Access

ADVANTAGES

- Standardised transmission protocol
- Compact dimensions
- No data loss
- Data security
- Easy configuration
- Replacement of existing telecontrol stations is easily feasible
- Preferred data communication protocol for Industry 4.0 applications

