

# UDIS-FW

## Signal transmission and remote monitoring of small stations via IP communication

### APPLICATIONS

- Pumping stations
- Small wastewater treatment plants
- Elevated 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 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 remote-control stations with an analogue dial-up modem, stations can be easily adapted with UDIS-FW.

An uninterruptible power supply should be installed to bridge any 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-ephemeral storage medium within the control unit. When the connection is re-established, missing archive data is automatically transferred to the control system via UDIS-SHA. Other functions

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
- Landline cable via SHDSL
- DSL fixed line
- Archive data via OPC UA Historical Access

### ADVANTAGES

- Standardised transmission protocol
- Compact
- No data loss
- Data security
- Easy configuration
- Easy replacement of existing remote-control stations
- Preferred data communication protocol for Industry 4.0 applications

