IZ 24
data logger for SQL database

Type designation:

IZ24
Data logger for recording
and evaluation of 24 counting pulses
with connection via TCP / IP
to any SQL database
with **ring storage for up to 3 days**

Controls and displays
- Bright 5mm **LED display**
- Separate status indicator
- LED display Operation / Fault

Parameterization
- Integrated **Ethernet port** (TCP / IP) for parameter setting via Internet or Internet from Windows 7 Pro
- Setting the time window for the addition of the pulse inputs per time unit
- Conversion of the counts into physical units
- Address input for 3 time servers

Electrical characteristics
- 24 pulse inputs 2-pol. 24V DC, 4mA ± 15% (alternatively internal supplied with 24V)
- Minimum pulse duration 50ms
- Time synchronization via time server
- If the **query is interrupted** by the **SQL database:**
  Data memory up to 3 days in the ring buffer (with 288 records per input within 72 h)
- Outputs: 4x relay, 1 NO or NC contact, max. 250V 5A, for:
  Battery operation / battery faulty / no contact to the NTP server /
  no query from the SQL database
- EMC-values: UNITRO-Standard in accordance with EN 61000

Mechanical characteristics
- **Wall-mounted housing** PS 233 x 200 x 99,5mm **with hinge** for front panel
- Screw terminal plug connection, max. 1,5mm²
- Extended terminal compartment with embossed **for cable glands from behind and below**

UPS
- Power failure battery backup 10h

Type of construction:

- Bay: Wall-mounted housing (PS) 233 x 200 x 99,5mm **with hinge to open the front panel**
- Weight approx.: 1.500g with rechargeable battery 2.700g
- Degree of protection: IP54, **terminal box embossment for ports from behind + below**
- Climatic conditions: -5 to +55°C, 5 to 85% relative humidity
- **LED-display:** **2 LED** (Operation / Fault)

Behind separate terminal cover:

- Connection: Screw terminal plug connection max. 1,5mm²
- Ethernet: RJ45 socket
- Power supply: 24V AC/DC (= 15-50V AC, 19-60V DC)
  or 230V AC (= 120-250V AC)
- Power loss: 15VA
- Max. back-up fuse: 10A L
- Internal fuse: Picofuse 1,6A slow

Inputs:

- Input levels Impulse inputs: 24V DC 4mA ± 15%, alternatively internal supplied with 24V
- Minimum pulse duration 50ms

Outputs:

- Output relays: 4x relay, 1 NO or NC contact, max. 250V 5A, for:
  Battery operation / battery faulty / no contact to the NTP server / no query from the SQL database
- EMC, immunity to interference: UNITRO-Standard in accordance with EN 61000

UPS:

- Rechargeable battery: Gas-proof, lead- gel rechargeable battery 24V 1,2 Ah
- Floating time 100% ED: 3h
- Floating time signal standby: 10h
- Connection for external battery: max. 2,2Ah

Configuration menu / Network configuration:

Parameter setting via Ethernet port from Windows 7 Pro, the following parameters:

- Setting the time window for the addition of the pulse inputs per time unit
  Standard ¼ hour values

- If the **query is interrupted** by the **SQL database:**
  Data memory up to 3 days in the ring buffer (with 288 records per input within 72 h)

- Conversion of the counts into physical units like:
  kWh, m³ or …

- Address input for 3 time servers (NTP)