



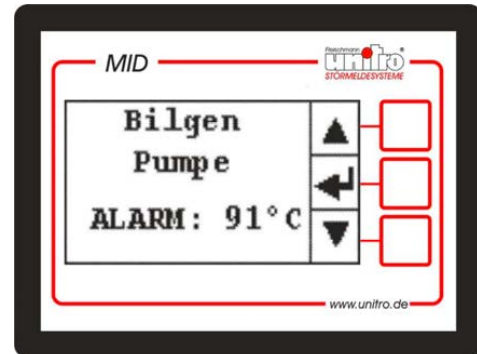
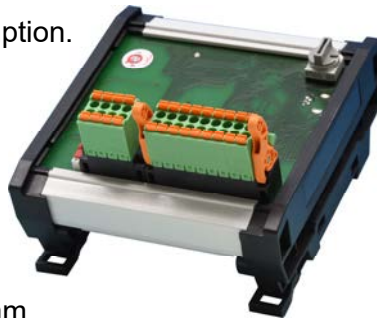
since 1971
the power to control

Multi Information Display (MID) display- and fault reporting modules

Type designation:

MID (Multi Information Display)

to display up to 52 temperature sensors (with 52 adjustable alarm thresholds) and up to 16 pulse counter inputs for scope calculation for consumption. Integrated small horn and bistable relay for alarm



Controls and displays

- Graphic display 65 x 36mm
- Integrated small horn and function buttons

Master module

- Integrated mini USB interface for parameterization from Windows 7 Pro
- **4 analog inputs for PT100 or PT1000 temperature sensors**
- Free naming of the analog sensors (2 x 11 characters)
- Temperature units: degrees Celsius, Fahrenheit, Kelvin
- Alarm threshold per temperature sensor adjustable from -50 to +150°C
- Communicates with up to **8 slave modules**

Slave modules

- **6 analog inputs for PT100 or PT1000 temperature sensors**
- Free naming of the analog sensors (2 x 11 characters)
- Temperature units: degrees Celsius, Fahrenheit, Kelvin
- Alarm threshold per temperature sensor adjustable from -50 to +150°C
- **2 pulse counter inputs** for flow meters, for real-time calculation for consumption
- Free naming of pulse counters (2 x 11 characters)
- Adjustable parameters per pulse counter: unit, pulses per unit, tank volume, reserve

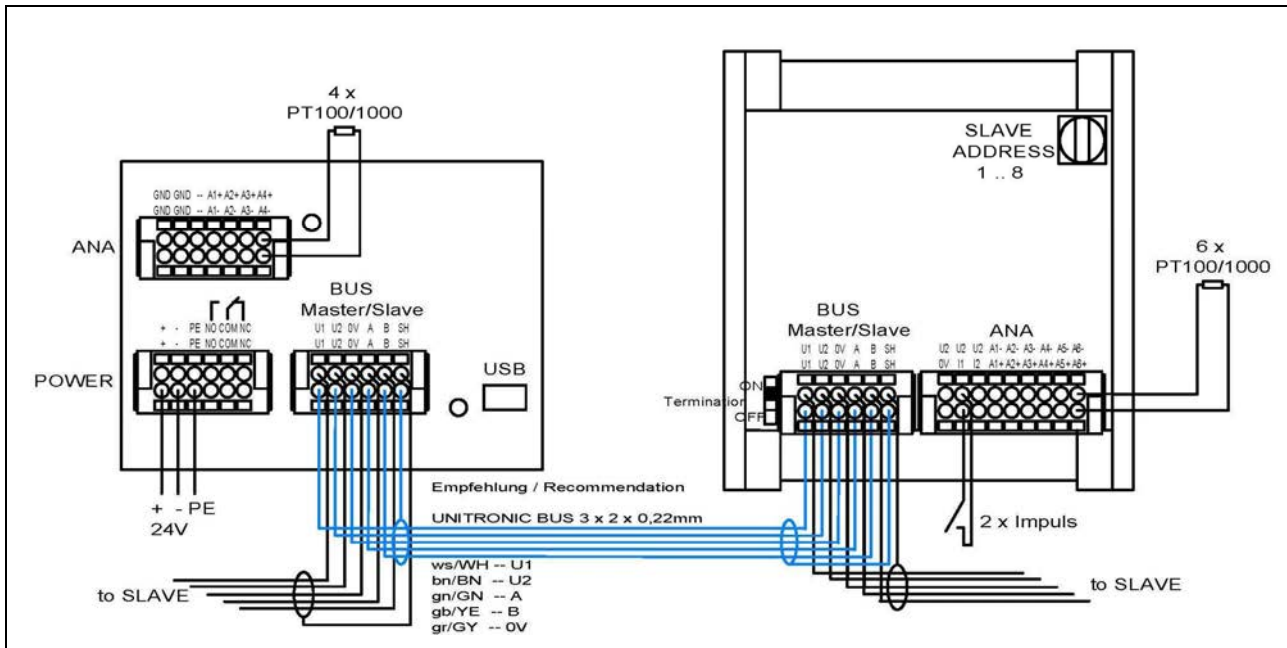
Electrical characteristics

- Power supply 9-36V DC (slaves are supplied via master)
- Potential-free output: Bistable relay, 1 change-over contact, 220V DC / 250V AC, 2A (max. 60W)
- EMC-values: UNITRO-Standard in accordance with EN 61000
- Galvanically isolated RS485 port (for communication with slave modules)

Mechanical characteristics

- Master: Compact plastic housing according to IEC 61554 (96 x 72 x 60,5mm)
- Slave: DIN rail module (87 x 92 x 43mm)
- Screw-type terminals, plug connection max. 1,5 mm²

Connection diagram MID

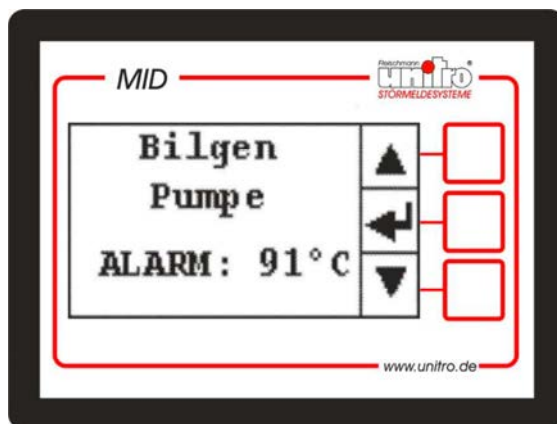


Technical data:

1. Type of construction Master:
control panel housing plastic
96 x 72 x 60,5 + 25mm
(cutting for installation 92 x 66+ 1mm)
2. Type of construction Slave:
snap-on housing 87 x 92 x 43mm
3. Degree of protection:
Master: IP51
Slave: IP20
4. Weight:
Master approx.: 200g
Slave approx.: 120g
5. Climatic conditions:
in accordance with UNITRO-Standard
6. Connection:
screw-type terminals/ plug connection
max. 1,5mm²
7. Supply voltage:
9-36V DC
8. Data retention in the absence of power:
20 years
9. Resolution:
≥ 10ms
10. Power loss:
Master max. 1,8W +
per slave max. 0,8 W
11. Relay output:
220V DC / 250V AC, 2A (max. 60W)
12. Parameterization:
Mini USB interface (master) for
parameterizing master and slave modules:
- name of the sensor
- temperature units (C, K, F)
- alarm threshold (-50-150 ° C)
- unit, tank volume, reserve,
pulses per unit
13. Leakage distances and clearances:
in accordance with UNITRO-Standard
14. EMC, immunity of interference:
UNITRO-Standard,
in accordance with EN 61000



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Parameterization

MID - Programmier 1.00

Open file Save file Send data to PC Send data to device Print Info

MID - Multi Information Display

Device name: MID Sprache/Language
deutsch english

Factory settings

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Master Slave 1 Slave 2 Slave 3 Slave 4 Slave 5 Slave 6 Slave 7 Slave 8

Analog sensor 1

Aktiv

Name: Zeile 1
Zeile 2

Unit: Grad Celsius

Alarm threshold: 100

Type of sensor: PT1000

Analog sensor 2

Aktiv

Name: Zeile 1
Zeile 2

Unit: Grad Celsius

Alarm threshold: 100

Type of sensor: PT1000

Analog sensor 3

Aktiv

Name: Zeile 1
Zeile 2

Unit: Grad Celsius

Alarm threshold: 100

Type of sensor: PT1000

Analog sensor 4

Aktiv

Name: Zeile 1
Zeile 2

Unit: Grad Celsius

Alarm threshold: 100

Type of sensor: PT1000

Beenden

MID - Programmier 1.00

Open file Save file Send data to PC Send data to device Print Info

MID - Multi Information Display

Device name: MID Sprache/Language
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Factory settings

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Master Slave 1 Slave 2 Slave 3 Slave 4 Slave 5 Slave 6 Slave 7 Slave 8

Analog sensor 1, Slave 1

Aktiv

Name: Zeile 1
Zeile 2

Unit: Grad Celsius

Alarm threshold: 100

Type of sensor: PT1000

Analog sensor 2, Slave 8

Aktiv

Name: Zeile 1
Zeile 2

Unit: Grad Celsius

Alarm threshold: 100

Type of sensor: PT1000

Analog sensor 3, Slave 8

Aktiv

Name: Zeile 1
Zeile 2

Unit: Grad Celsius

Alarm threshold: 100

Type of sensor: PT1000

Analog sensor 4, Slave 8

Aktiv

Name: Zeile 1
Zeile 2

Unit: Grad Celsius

Alarm threshold: 100

Type of sensor: PT1000

Analog sensor 5, Slave 8

Aktiv

Name: Zeile 1
Zeile 2

Unit: Grad Celsius

Alarm threshold: 100

Type of sensor: PT1000

Analog sensor 6, Slave 8

Aktiv


Name: Zeile 1
Zeile 2

Unit: Grad Celsius

Alarm threshold: 100

Type of sensor: PT1000

Adresse Slave 1:



Impulse counter 1, Slave 1

Aktiv

Name: iz1, Slave1 Unit: Ltr

Impulses/Unit: 10000 Tank volume: 100 Fuel reserve: 20

RESET Residual flow calculation

Impulse counter 2, Slave 1

Aktiv

Name: iz2, Slave1 Unit: Ltr

Impulses/Unit: 10000 Tank volume: 100 Fuel reserve: 20

RESET Residual flow calculation

Beenden