since 1971
the power to control

ME 8-P logic
integral logic annunciator

Type designation:

ME 8-P logic
acknowledgeable new alert- flash warning
with 2 flashing frequencies
(ISA-18.1/DIN 19235),
with signal storage in case of power failure,
for 8 messages, **parameterization
via USB**, with logic-functions

*the electronic
MULTIPLE
DROP INDICATOR RELAY
with data retention
in the absence of power
multifunctional
parameterizable*

Controls and displays
- Bright 5mm RGB-LED display
- Separate status indicator (green = Power ON / blue = USB connected)
- Easily exchangeable label strips
- Integrated mini horn and functional buttons

Parameterization
- Integrated **Mini USB interface** for parameterization using Windows 7 Pro or higher
- Acknowledgeable new alert/first alert flash warning, all sequences ISA-18.1-1979 (R2004) and DIN 19235
- Quiescent / operating current – for each signal
- New alert / first alert – for each signal
- Inputs freely assignable to outputs for each signal
- Response delay variable for each signal from 50ms to 10min (in steps of 50ms, 2s and 1min)
- Selectable LED colors (red/green/yellow/blue/white)
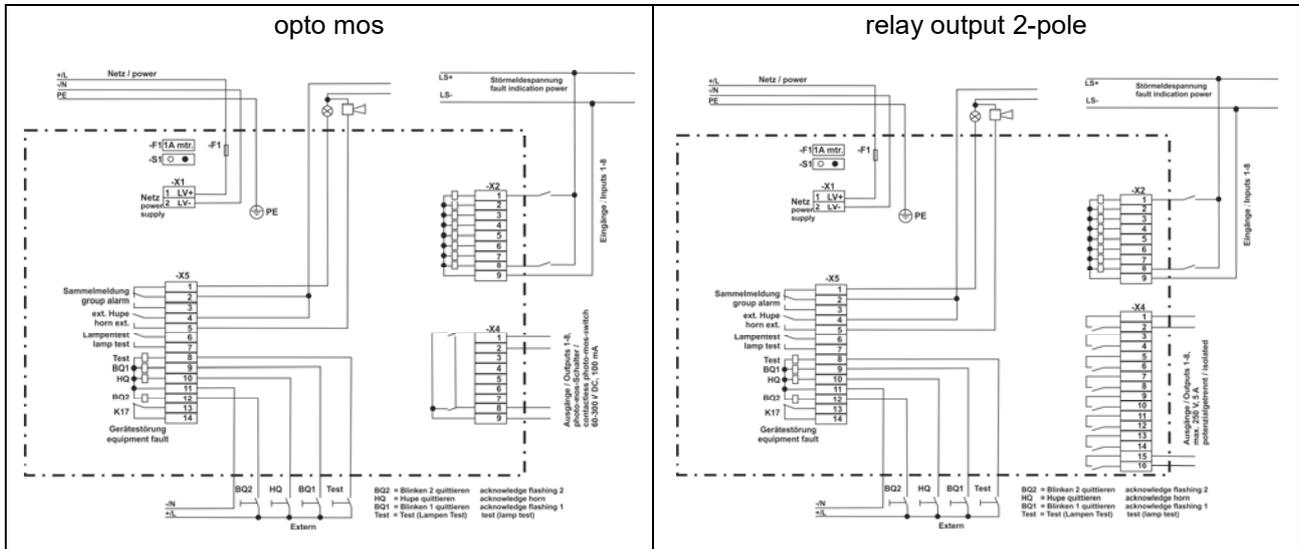- Anti-tilt monitor

Electrical characteristics
- 8 signal inputs, common ground max. 230V AC / 240V DC with filter switching and electrical isolation
- Resolution and switching precision ≥ 1ms
- EMC-values: Higher immunity levels to UNITRO-PSC-Standard
- Potential-free outputs: 2-pole contactless opto-mos switch max. 300V DC, 100mA (resolution ≥1ms) (projected), or normally open relay max. 5A 250V AC, 3A 30V DC (resolution ≥10 ms)
- Electrically isolated horn / test- and group signal output (max. 5A 250V AC, 3A 30V DC)
- States saved to memory on power failure

Mechanical characteristics
- Compact plastic junction housing to IEC 61554 (72 x 144 x 160 + 25mm)
- Connection: Screw-type terminals or screw-type terminals, plug connection max. 2.5mm²

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Connection diagram ME 8-P logic

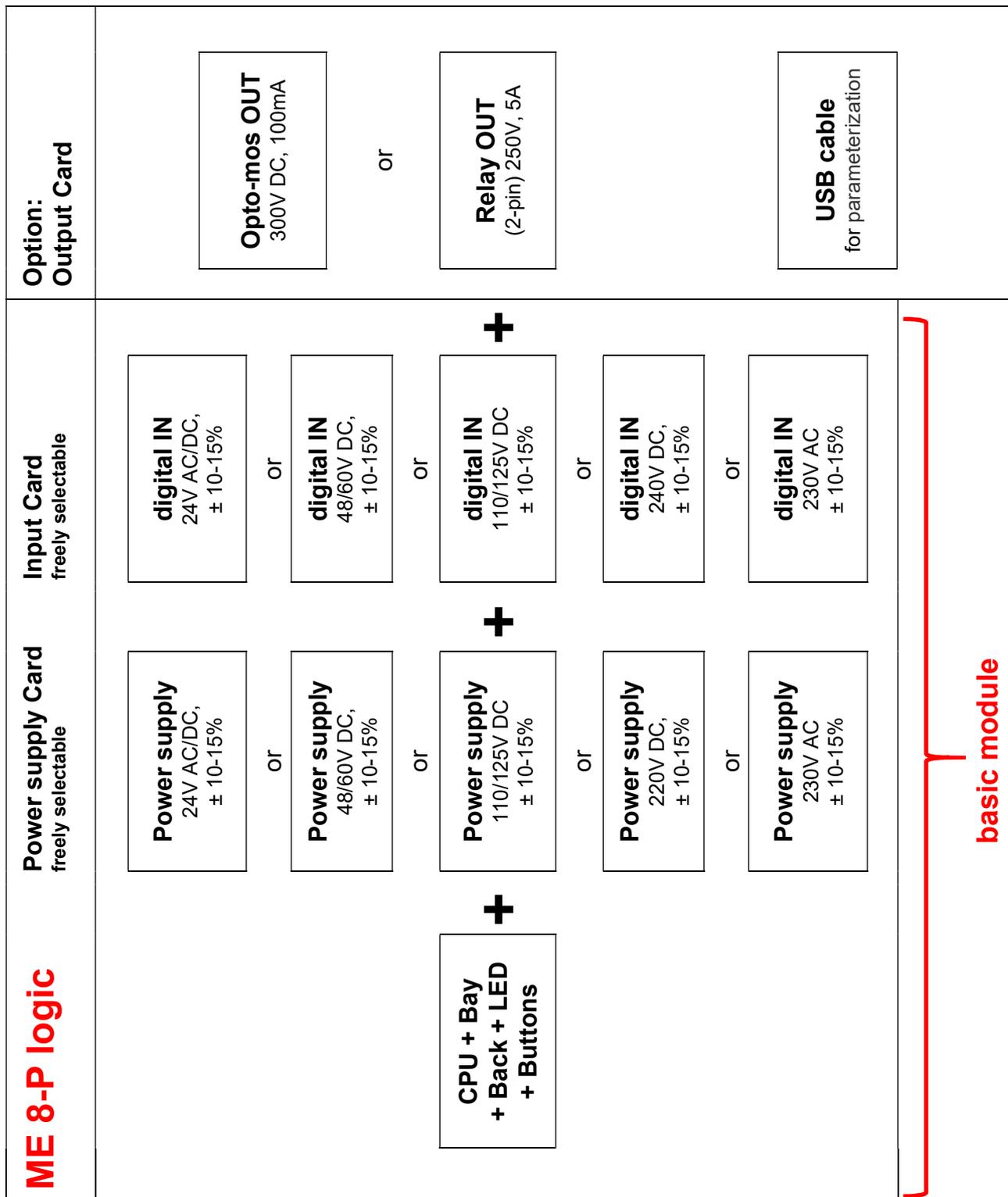| opto mos | relay output 2-pole |

Technical data:

1. Type of construction:
   control board housing 72 x 144 x 160 + 25mm
   (cutting for installation 66 x 138 + 1mm)

2. Degree of protection:
   front: IP50, with full-view
   acrylic glass doors IP54
   housing: IP20

3. Weight:
   max. 800g

4. Climatic conditions:
   in accordance with UNITRO-PSC-Standard

5. Connection:
   screw-type terminal/ plug-in connection
   or plug connection terminals max. 2.5mm²

6. Supply voltage:
   24V AC/DC
   48-60V AC/DC
   110/125V AC/DC
   220/240V AC/DC
   voltage-adapted

7. Alarm signal nominal voltage:
   24V AC to 230V AC
   24V DC to 240V DC
   voltage-adapted
   voltage tolerance ±10%

8. Input level for signal inputs:
   at   24V AC / DC 8mA
   at   230V AC 7mA
   at   60V DC 4mA
   at   110 / 125V DC 3mA
   at   240V DC 2mA

9. Data retention in the absence of power:
   20 years

10. Resolution:
    ≥ 1ms (opto-mos)
    ≥ 10ms (Relay)

11. Switch-on delay:
    programmable from 50ms to 10min
    (in steps of 50ms, 2s and 1min)

12. Minimum signal duration:
    1ms

13. First-up discrimination:
    1ms

14. Flashing frequencies:
    2Hz / 0.5Hz

15. Power loss:
    max. 6 W + 8x 0.5W

16. Relay outputs:
    max. 5A 250V AC,
    3A 30V DC

17. Contactless signal outputs:
    opto-mos switch max. 300V DC, 100mA

18. Parameterization interface:
    Mini USB interface for parameterization
    with software, used with Windows 7 Pro
    or higher

19. Leakage distances and clearances:
    in accordance with UNITRO-PSC-Standard

20. EMC, immunity to interference:
    UNITRO-PSC-Standard; immunity higher
    degrees of severity according to the
    actual generic standards DIN EN 61000

Combinations ME 8-P logic

ME 8-P logic	Power supply Card freely selectable / Input Card freely selectable	Option: Output Card

Option: Output Card

| Opto-mos OUT 300V DC, 100mA | or | Relay OUT (2-pin) 250V, 5A | | USB cable for parameterization |

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Input Card freely selectable

| digital IN 24V AC/DC, ± 10-15% | or | digital IN 48/60V DC, ± 10-15% | or | digital IN 110/125V DC ± 10-15% | or | digital IN 240V DC, ± 10-15% | or | digital IN 230V AC ± 10-15% |

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Power supply Card freely selectable

| Power supply 24V AC/DC, ± 10-15% | or | Power supply 48/60V DC, ± 10-15% | or | Power supply 110/125V DC ± 10-15% | or | Power supply 220V DC, ± 10-15% | or | Power supply 230V AC ± 10-15% |

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CPU + Bay + Back + LED + Buttons

basic module

Parameterization