ME 16-P logic, integral logic annunciator

Types:

ME 16-P logic
acknowledgeable new alert/first alert flash warning with data retention in the absence of power for 16 signal inputs, USB interface for parameterization, with logic-functions

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

multifunctional programmable

Option with IEC 61850 protocol

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 keys

Parameterization

- Integrated mini USB interface for parameterization using MS XP-Pro or Windows 7 Pro
- 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
- Selectable LED colors (red/green/yellow/blue)
- Anti-tilt monitor
- Buffered event memory (resolution 1ms)

Electrical characteristics

- 16 signal inputs, 2-pole, max. 230V AC / 240V DC with filter switching and electrical isolation
- Acknowledgeable new alert/first alert flash warning, all sequences ISA 18.1 and DIN 19235
- Resolution and switching precision ≤ 1ms
- EMC-values: Higher immunity levels to Unitro-PSC-Standard
- Electrically isolated outputs:
  2-pole contactless opto-mos switch max. 300V DC, 100mA (resolution ≤1ms),
  or normally open relay max. 5A 250V AC, 3A 30V DC (resolution ≤10ms)
- Electrically isolated horn / test- and group signal output (max. 5A 250V AC, 3A 30V DC)
- States saved to memory on power failure

Mechanical characteristics

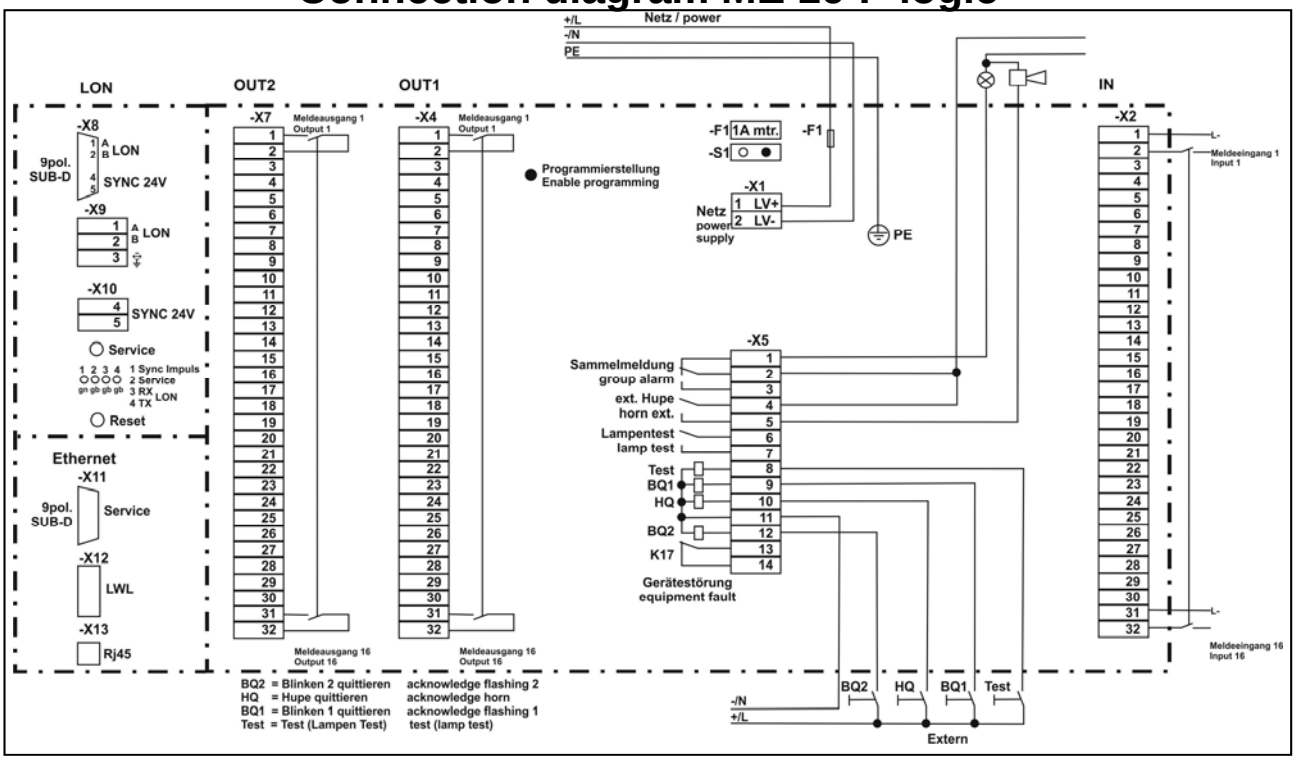
- Compact aluminum installation housing to IEC 61554 (144 x 144 x 160mm)
- Screw-type terminals, plug connection with screw flange for connection max. 2.5mm²

Options

- Additional printed circuit for 16 output contacts
- or 2-wire bus link (LON bus)
- or Industrial Ethernet interface (managed switch) **with IEC 61850 protocol**

Head office: Gaildorfer Str. 15 D-71522 Backnang Tel.: +49 (0)7191/141-0 Fax: +49 (0)7191/141-299
Office Radolfzell: Westendstr. 3 D-78315 Radolfzell Tel.: +49 (0)7191/141-150 Fax: +49 (0)7191/141-299 info@unitro.de www.unitro.de

Connection diagram ME 16-P logic



Technical data:

1. Type of construction:
   control panel housing 144 x 144 x 160mm
   (cutting for installation 138 x 138mm)
2. Degree of protection:
   front: IP50
   with full-view acrylic glass doors IP54
   housing: IP20
3. Climatic conditions:
   in accordance with Unitro-PSC-Standard
4. Connection:
   screw-type terminals/ plug connection
   connection with screw flange max. 2.5 mm²
5. Supply voltage:
   24V AC / DC to 230V AC / DC
   voltage-adapted
6. Alarm signal nominal voltage:
   24V AC to 230V AC
   24V DC to 240V DC
   voltage-adapted
   voltage tolerance ±10%
7. 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

8. Data retention in the absence of power:
   20 years
9. Resolution:
   ≤ 1ms (opto-mos)
   ≤ 10ms (Relay)
10. Switch-on delay:
    programmable from 50ms to 10min
11. Minimum signal duration:
    1ms
12. First-up discrimination:
    1ms
13. Flashing frequencies:
    2Hz / 0.5Hz
14. Power loss:
    max. 6W + 16x 0.5W
15. Relay outputs:
    max. 5A 250V AC, 3A 30V DC
16. Contactless signal outputs:
    opto-mos switch 60 - 300V DC, 100mA
17. Parameterization interface:
    mini USB interface for parameterization with software, used with MS Windows XP-Pro or Windows 7 Pro
18. Leakage distances and clearances:
    in accordance with Unitro-PSC-Standard
19. EMC, immunity to interference:
    Unitro-PSC-Standard, immunity higher degrees of severity according to the actual generic standards DIN EN 61000