



1971-2011 40 years
the power to control

Flashing alarm annunciator units with signal storage FSB 16/16

programmable for front panel installation 16 signal inputs

Types:

FSB 16/16

flashing alarm annunciator
16 signal inputs and relay
output module, outputs
freely assignable
for each signal



Control panel bay

Controls and displays

- Bright 5mm LED display
- Status indicator (green = Power ON)
- Easily exchangeable label strips
- Integrated functional keys (+ external)
+ LED-Test

Parametrierung

- Rear integrated **mini USB interface** for parameterization each signal quiescent / operating current, running- / alarm, assignment of the outputs response delay variable max. 10min, overall new alert / first alert

Electrical characteristics

- 16 signal inputs with LED-display, red
- Clocked input circuitry to reduce power loss
- Acknowledgeable flash warning
- Integrated mini horn
- EMC-values: Unitro-Standard in accordance with EN 61000
- Input level for signal inputs and supply voltage: 48/60V DC, 110/125V DC, 220V DC

Mechanical characteristics

- Compact plastic junction housing 96 x 96 x 100mm, degree of protection: front IP50
- Screw-type terminals, plug connection for connection max. 2,5mm²

Snap-on module

Controls and displays

- LED display yellow (19x relay state), illuminated when relay contacts are closed
- LED yellow and red for internal data bus (flashing yellow on intact data transfer, continuous red light at fault)
- Status indicator (green = Power ON)

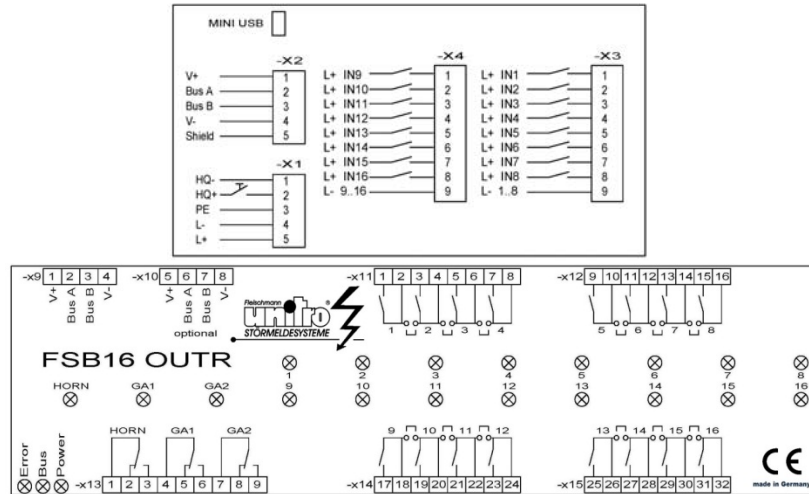
Electrical characteristics

- 16 full potential free NO contacts, the input messages about software as assigned (assigned to Standard 1:1) (reduced by jumpers on 4 common roots)
- 2 group alarm outputs changer "device-disturbed" monitoring, software programmers using different settings possible
- 1 horn output changeover contact, software programmers using different settings possible
- EMC-values: Unitro-Standard in accordance with EN 61000
- Relay contact rating 24-250V AC / 2A; 110V DC / 0,5A; 220V DC / 0,3A

Mechanical characteristics

- Snap-on housing 200 x 111 x 65mm, degree of protection IP20
- Screw-type terminals, plug connection for connection max. 2,5mm²

Connection diagrams FSB 16/16 and 16 OUTR



Technical data:

- Type of construction:**
FSB 16/16: control panel bay 96x96x75+25mm (cutting for installation 92x92mm)
FSB 16 OUTR: snap-on housing 200x111x65mm
- Degree of protection:**
front IP50, rear IP20 (FSB16 optional IP54)
FSB 16 OUTR IP20
- Weight:**
FSB 16/16 approx. 400g
FSB 16-OUTR approx. 500g
- Connection:**
screw-type terminals/ plug connection
max. 2,5 mm²
- Climatically conditions:**
in accordance with Unitro-Standard
- Front panel buttons:**
acknowledge horn, acknowledge flash light, LED test
- Supply voltage:**
48/60V DC -10% +15%
110V/125V DC -10% +15%
220V DC -10% +15%
- Max. fuse:**
4A medium slow
- Input level for signal inputs:**
48/60V DC -10% +15% max. 2,5mA
110/125V DC -10% +15% max. 2,5mA
220V DC -10% +15% max. 2mA
- Minimum signal duration:**
DC: 10ms
- Data retention in the absence of power:**
flash memory
- Power loss 100% ED:**
60V DC max. 4,5W
110V DC / 220V DC max. 5,9W
- LED-signal:**
control panel bay with marking strips
new alert: red flash light
acknowledge: red steady light
alarm removed: LED dark
power on: green steady light
FSB 16 OUTR snap-on housing:
power on: green steady light
data LED: yellow flash light
data error LED: red steady light
relay contact LED: yellow
- Flashing frequencies:**
alarms 2Hz / 0,5Hz
- Relay outputs:**
16 full potential free NO contacts, the input messages about software as assigned (assigned to Standard 1:1) (reduced by jumpers on 4 common roots)
2 group alarm messages and horn contact
potential free changeover contact, max. contact conditions-carrying capacity
24-250V AC / 2A, 110V DC / 0,5A;
220V DC / 0,3A
- Parameterization:**
mini USB interface
per input: running- / alarm
quiescence- / operation current
switch on delay max. 10min
output contacts
overall: first up / new alert
- Leakage distances and clearances:**
in accordance with Unitro-Standard
- EMC, immunity of interference:**
Unitro-Standard,
in accordance with EN 61000