



1971-2011 40 years
the power to control

Collection alarm monitoring units FSB 08/16-48 SA

for front panel installation 8 – 48 signal inputs

Types:

FSB 16/08 (16) – SA

multi-input alarm indication unit
for 8 or 16 signal inputs.
With horn new-alert alarm
and LED-Test

FSB 48/08 (16/24/32/40/48) – SA

multi-input alarm indication unit
for 8 to 48 signal inputs in 8 input steps.
With horn new-alert alarm and LED-Test



Controls and displays

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

Parameterization

- With selector
- Quiescent / operating current in groups of 8

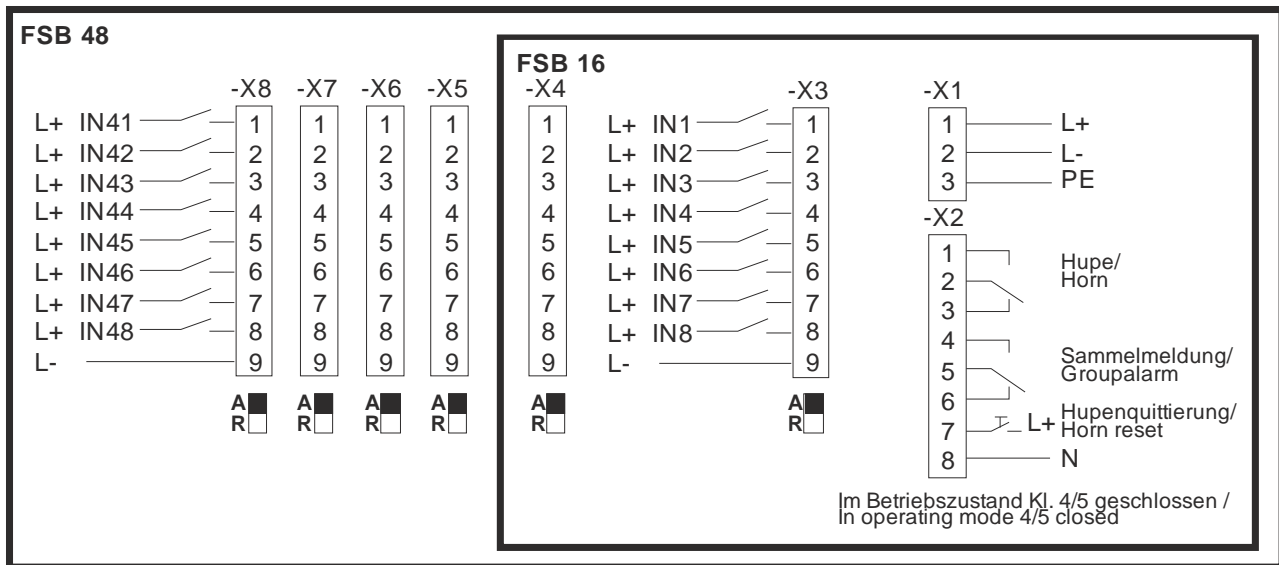
Electrical characteristics

- 8 - 48 signal inputs with LED-display, red
- Continuous light and the message during
- No signal storage
- Integrated mini horn
- EMC-values: Unitro-Standard in accordance with EN 61000
- Group alarm change-over contact max. 5A 250V AC, 3A 30V DC

Mechanical characteristics

- Compact plastic junction housing 96/192 x 96 x 100mm. Degree of protection: front IP50
- Screw-type terminals, plug connection for connection max. 2,5mm²

Connection diagram FSB 16 and FSB 48-SA



Technical data:

- Type of construction:**
control panel bay
96x96x75+25mm / 192x96x75+25mm
(cutting for installation: 92x92mm / 186x92mm)
- Degree of protection:**
front IP50, (FSB16 optional IP54)
- Weight:**
FSB 16 approx. 400g
FSB 48 approx. 650g
- Connection:**
screw-type terminals/ plug connection
max. 2,5mm²
- Climatically conditions:**
in accordance with Unitro-Standard
- Front panel buttons:**
acknowledge horn
LED test
- External button:**
acknowledge horn (normally open contact)
- Supply voltage:**
24V AC/DC, 60V DC ± 10 - 15%
230V AC ± 10 - 15%
60 / 110 / 220V DC, ± 10 - 15%
- Max. fuse:**
4A medium slow
- Minimum signal duration:**
DC: 10ms / AC:100ms
- Input level for signal inputs:**
24V AC/DC ± 10% - 15% 7mA
230V AC ± 10% - 15% 2,9 mA
for special applications with high power loss:
60V DC ± 10% - 15% 7mA
110V DC ± 10% - 15% 6mA
220V DC ± 10% - 15% 6mA
- Power loss 100% ED:**
max. 2 W + 8x 1,3 W
power loss per signal: 60V DC 0,5W
110V DC 0,7W
220V DC 1,3W
- LED-signal:**
with marking strips
alarm: red steady light
no alarm: LED off
power on: green steady light
- Relay outputs:**
group alarm and horn,
change-over contact, max. 250V 5A
- Programming:**
with selector switch, quiescence- /
operation current in groups to 8
- Leakage distances and clearances:**
in accordance with Unitro-Standard
- EMC, immunity of interference:**
Unitro-Standard,
in accordance with EN 61000