



since 1971
the power to control

Feischmann
unitro[®]
STÖRMELDESISTEME

Display modules FSB 8 / 12 / 24 -BSK

for front panel installation, 8 / 12 / 24 fire dampers messages

Type designation:

FSB 8 -BSK

with 16 LEDs for
8 fire dampers signal inputs,
with horn new value message
and LED test

FSB 12 / 24 -BSK

with 24 / 48 LEDs for
12 / 24 fire dampers signal inputs,
with horn new value message
and LED test



Controls and displays

- Bright 5mm LED display red/green
- Separate status indicator (green = Power ON)
- Easily exchangeable label strips
- Integrated mini horn and functional buttons

Parameterization

- via rear integrated **Mini USB interface** for parameterization
- normally open / normally closed – per fire damper (24-110V)
- 1 or 2 final position switches
- Time window
- Group message can be assigned

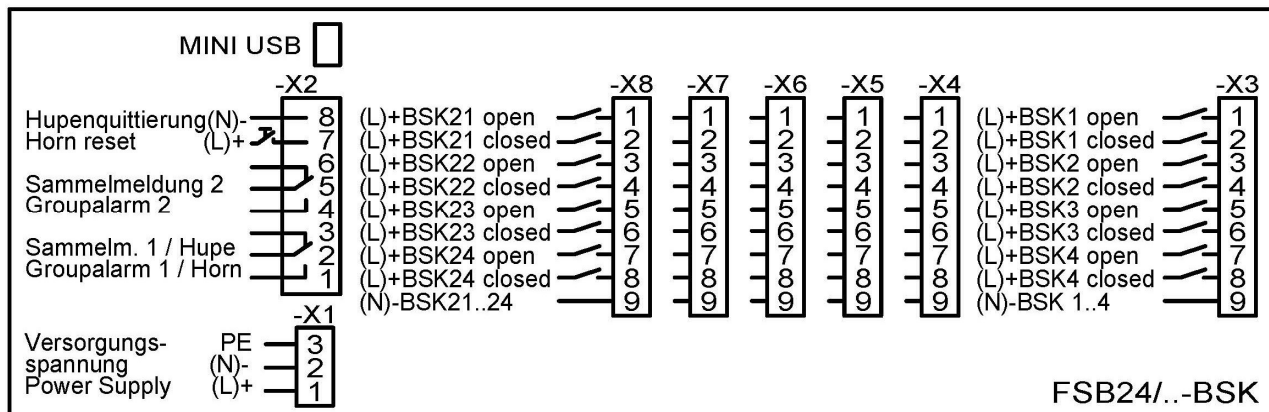
Electrical characteristics

- 16 - 48 signal inputs with LED display red (fire dampers closed) / green (fire dampers open)
- Steady light while pending message
- No signal storage
- Integrated mini horn
- EMC-values: UNITRO-Standard in accordance with EN 61000
- Relay output: Change-over contact max. 5A 250V AC, 3A 30V DC

Mechanical characteristics

- Compact plastic junction housing 96 / 192 x 96 x 85 + 25mm. Degree of protection: front IP50
- Connection: Screw-type terminals, plug connection max. 2,5mm²

Connection diagram FSB 8 / 12 / 24-BSK



Technical data:

- Type of construction:**
control board housing
96 / 192 x 96 x 85 + 25mm
(cutting for installation: 92 / 186 x 92 + 1mm)
- Degree of protection:**
front IP50, rear IP20
(Front FSB 8-BSK option IP54)
- Weight:**
FSB 8-BSK approx. 400g
FSB 12/24-BSK approx. 650g
- Climatically conditions:**
in accordance with UNITRO-Standard
- Connection:**
screw-type terminals/ plug connection
max. 2,5 mm²
- Front panel buttons:**
acknowledge horn
LED test
- External button:**
acknowledge horn (normally open contact)
- Supply voltage:**
24V AC/DC ± 10 - 15% or
230V AC ± 10 - 15% or
60 / 110 / 220V DC ± 10 - 15%
voltage-adapted
- Max. fuse:**
4A medium slow
- Minimum signal duration:**
DC: 10ms / AC: 100ms
- Signal input voltage and rated current:**
24V AC/DC ± 10% - 15% max. 7mA
230V AC ± 10% - 15% max. 2,9mA
for special applications with high power loss:
60V DC ± 10% - 15% max. 7mA
110V DC ± 10% - 15% max. 6mA
220V DC ± 10% - 15% max. 6mA
voltage-adapted
voltage tolerance ±10%
- Power loss 100% ED:**
max. 2W + 8 / 12 / 24 x 1,3W
Attention: from 60V forced ventilation
power loss per message: 60V DC 0,5W
 110V DC 0,7W
 220V DC 1,3W
- LED display:**
labeled with marking strips
Fire damper open: green steady light
Fire damper closed: red steady light

status LED (power on) = green steady light
- Relay outputs:**
1x group alarm and 1x horn contact,
potential-free change-over, max. 250V 5A
- Parameterization:**
via rear **Mini USB interface**
- normally open / normally closed (24-110V)
- 1 or 2 final position switches
- time window
- group message can be assigned
- Leakage distances and clearances:**
in accordance with UNITRO-Standard
- EMC, immunity of interference:**
UNITRO-Standard,
in accordance with EN 61000



since 1971
the power to control

Combinations FSB -BSK

FSB BSK	Power supply	Input Card																						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; vertical-align: middle;"> FSB-BSK 16 Bay 96 x 96 mm + power supply </td> <td style="text-align: center; vertical-align: middle;"> + <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">24V AC/DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">230V AC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">48/60V DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">110/125V DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">220V DC ± 10-15%</td> </tr> </table> </td> </tr> <tr> <td style="text-align: center; vertical-align: middle;"> FSB-BSK 12 oder 24 Bay 192 x 96 mm + power supply </td> <td style="text-align: center; vertical-align: middle;"> + <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">24V AC/DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">230V AC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">48/60V DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">110/125V DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">220V DC ± 10-15%</td> </tr> </table> </td> </tr> </table>	FSB-BSK 16 Bay 96 x 96 mm + power supply	+ <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">24V AC/DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">230V AC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">48/60V DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">110/125V DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">220V DC ± 10-15%</td> </tr> </table>	24V AC/DC ± 10-15%	230V AC ± 10-15%	48/60V DC ± 10-15%	110/125V DC ± 10-15%	220V DC ± 10-15%	FSB-BSK 12 oder 24 Bay 192 x 96 mm + power supply	+ <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">24V AC/DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">230V AC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">48/60V DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">110/125V DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">220V DC ± 10-15%</td> </tr> </table>	24V AC/DC ± 10-15%	230V AC ± 10-15%	48/60V DC ± 10-15%	110/125V DC ± 10-15%	220V DC ± 10-15%	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;"> 16/24/48xdigital IN 24V AC/DC ± 10-15% </td> <td style="text-align: center; padding: 5px;">and/or</td> <td style="text-align: center; padding: 5px;"> 16/24/48xdigital IN 230V AC ± 10-15% </td> <td style="text-align: center; padding: 5px;">and/or</td> <td style="text-align: center; padding: 5px;"> 16/24/48xdigital IN 48/60V DC ± 10-15% </td> <td style="text-align: center; padding: 5px;">and/or</td> <td style="text-align: center; padding: 5px;"> 16/24/48xdigital IN 110/125V DC ± 10-15% </td> <td style="text-align: center; padding: 5px;">and/or</td> <td style="text-align: center; padding: 5px;"> 16/24/48xdigital IN 220V DC ± 10-15% </td> </tr> </table>	16/24/48xdigital IN 24V AC/DC ± 10-15%	and/or	16/24/48xdigital IN 230V AC ± 10-15%	and/or	16/24/48xdigital IN 48/60V DC ± 10-15%	and/or	16/24/48xdigital IN 110/125V DC ± 10-15%	and/or
FSB-BSK 16 Bay 96 x 96 mm + power supply	+ <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">24V AC/DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">230V AC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">48/60V DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">110/125V DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">220V DC ± 10-15%</td> </tr> </table>	24V AC/DC ± 10-15%	230V AC ± 10-15%	48/60V DC ± 10-15%	110/125V DC ± 10-15%	220V DC ± 10-15%																		
24V AC/DC ± 10-15%																								
230V AC ± 10-15%																								
48/60V DC ± 10-15%																								
110/125V DC ± 10-15%																								
220V DC ± 10-15%																								
FSB-BSK 12 oder 24 Bay 192 x 96 mm + power supply	+ <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">24V AC/DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">230V AC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">48/60V DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">110/125V DC ± 10-15%</td> </tr> <tr> <td style="text-align: center;">220V DC ± 10-15%</td> </tr> </table>	24V AC/DC ± 10-15%	230V AC ± 10-15%	48/60V DC ± 10-15%	110/125V DC ± 10-15%	220V DC ± 10-15%																		
24V AC/DC ± 10-15%																								
230V AC ± 10-15%																								
48/60V DC ± 10-15%																								
110/125V DC ± 10-15%																								
220V DC ± 10-15%																								
16/24/48xdigital IN 24V AC/DC ± 10-15%	and/or	16/24/48xdigital IN 230V AC ± 10-15%	and/or	16/24/48xdigital IN 48/60V DC ± 10-15%	and/or	16/24/48xdigital IN 110/125V DC ± 10-15%	and/or	16/24/48xdigital IN 220V DC ± 10-15%																

