

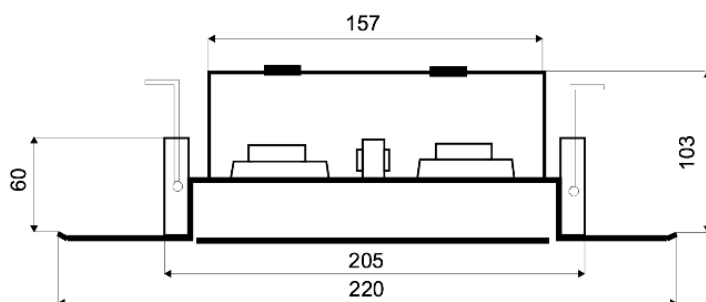
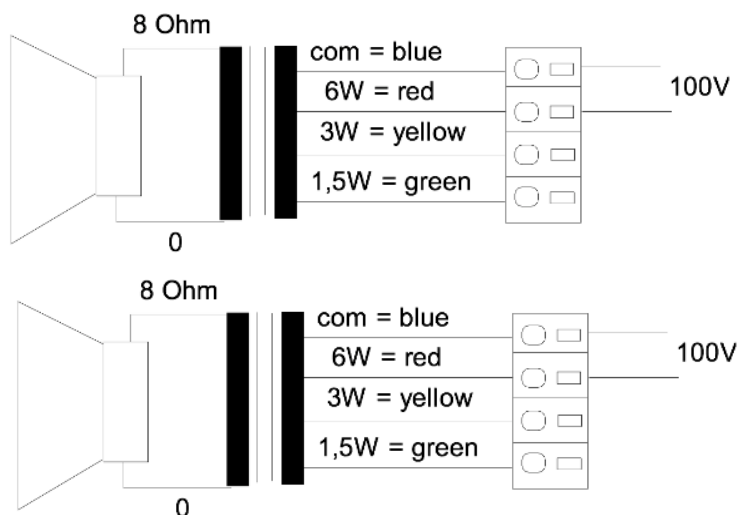
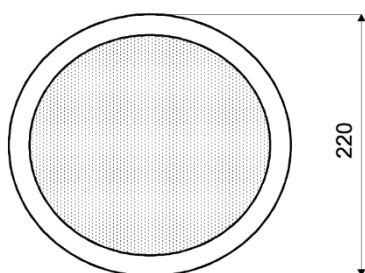
FRED-220-AB/EN5424

Technical Data:

Loudspeaker:	2x 66mm Breitband
Power-Consumption:	2x 100V-6-3-1,5 W
Frequency-Range:	150-20.000 Hz
EN-Sensitivity 1W/4M:	70 dB (1x) / 76 dB (2x)
SPL max. 6W/4M:	78 dB (1x) / 84 dB (2x)
SPL 1W/1M max. EASE/Ulysses:	102 dB (2 kHz)
SPL 6W/1M max. EASE/Ulysses:	107 dB (2 kHz)
Radiation H (0,5/1/2/4kHz):	180° / 180° / 167° / 92° (single)
Radiation V (0,5/1/2/4kHz):	180° / 180° / 167° / 92° (single)
Dimension:	220 mm x 103 mm with firedome
Ceiling cut-out:	205 mm
Suitable slab thickness:	1 mm – 35 mm
Weight:	1,5 kg with standard firedome
Material:	ALU / stainless steel
Color:	RAL 9010
Transformer taps:	com – blue / 6W – red / 3W – yellow / 1,5W - green
Certificate-No.:	1293-CPR-0574
Order-No.:	01-07-0033

Mounting instructions:

1. Before installation, please check whether the ceiling has sufficient load-bearing capacity.
2. Take off the safety-screw.
3. Separate the inner-grill with speaker and transformer from the mounting-ring by rotating it anticlockwise
4. Remove the fire dome from the mounting ring.
5. Insert the mounting-ring, with the still suspended springs ahead, into the 205-mm-cutout of the ceiling.
6. By taking off the springs of the suspension, you will mount the outer ring.
7. Unhook the springs carefully, guide them downwards slowly and do not let them snap, in order to rule out the risk of damaging the ceiling and possible risks of injury.
8. Lead your cables through the cable-inlets of the fire-tube and pull the fire-tube with the closed side ahead into the mounting ring.
9. Connect your cable with the terminal-block of the loudspeaker and check the right polarity. Make sure, that no bared-cable-points are visible!
10. Rotate the inner-grill with speaker and transformer clockwise, until the Bayonet-locking-device has engaged completely.
11. Lock the inner grille again with the previously removed safety-screw.
12. By use under EN 54-24 norm, it is necessary to use the fire dome.



1293

ELKO-SCHMID GmbH & Co.KG,
Glauchauer Str. 30, D-08058 Zwickau

18

DoP: 498058129314-ICS-PN-0010

EN 54-24

Loudspeaker for voice alarm systems for fire
detection and fire alarm systems for buildings

FRED-220-AB/EN5424

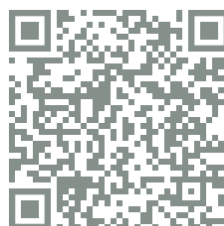
Intended Option:

TYPE A



QR-Code für weitere Dokumente
QR-Code for further documents

de



en



Stand 01.07.2026

ELKO SCHMID Electronic GmbH & Co. KG

Glauchauer Str. 30 · 08058 Zwickau · Germany · T +49 37604 770-0 · F +49 37604 770-10 · elko-schmid-mosel@t-online.de · www.elko-schmid.de