

# AREA INDUCTION LOOP HUSAR PI50



## PRODUCT GROUP

HUSAR PA

## PRODUCTS IN SERIES

HUSAR PI50



Scan for more detailed information about the met standards and testing of this product

- ✓ high-end one-channel amplifier
- ✓ allows installation in an area of up to 50 m2
- ✓ highly energy-efficient device, class D
- ✓ excellent sound quality without distortion
- ✓ meets IEC60118-4 and UL requirements
- ✓ high degree of protection IP-65 and IK-06

**Husar PI50** is a high-end induction loop booster for hard of hearing people. The Husar PI50 is a single-channel amplifier offering following features : AGC, MLC, compressor - for installation in an area up to 50 m2. The amplifier has error synthesis that continuously controls the integrity of the feedback loop and the amplifier. This information is displayed on the front panel of the controller and can be communicated via direct contact. The amplifier's output voltage is the highest available on the market for this type of amplifier (48Vpk), providing excellent sound quality without distortion. The amplifier's variable switching frequency allows for equal performance and an exceptional sound signal in the most compact unit on the market. Developed to stringent specifications and meeting IEC60118-4, the amplifier meets the most stringent specifications required for UL compliance.



# TECHNICAL DATA AREA INDUCTION LOOP

## HUSAR PI50

Technical parameters	
Audio inputs	3 IN: 2x line/microphon, 1x 100V
Sensitivity	-50dB microphone, +40dB 100V, -10dB line
Automatic gain control	Speech-optimised, dynamics >36dB
Bandwidth	80 Hz to 9,5 kHz at -3 dB
Coverage	50 m <sup>2</sup>
Loop impedance	0,5Ω do 3Ω
Output voltage	34V rms (48V pL)
Peak current	8A pK
RMS current	5A rms
Voltage	115/230V , 50/60 Hz
Nominal power consumption (1 Ohm)	25 W
Maximum input power	<250VA
Temperature operating range	0 °C to +45 °C
Dimensions (W x H x D)	215 mm x 42 mm x 200 mm
Weight	1,48 kg
IP rate	IP-65 (PN-EN 60529:2003)
IK rate	IK-06 (PN-EN 5012:2001)

*This data sheet is commercial in nature. If more detailed technical information is required, the reference document is the technical and operating documentation to be obtained from the manufacturer. In addition, the manufacturer reserves the right to make changes regarding the parameters, specifications and characteristics of the product. The dimensions of optional products, manufactured to order, will have different dimensions than those shown in this sheet. The document of general terms and conditions of supply can be found on the manufacturer's website - [www.railway-systems.eu](http://www.railway-systems.eu)*