

Catalog Card

Ambient Noise Sensor

CT-ANS



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ISO 9001:2015



IST/TS 22163:2017



AQAP 2110:2016



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Railway Systems

PURPOSE, DEVICE CHARACTERISTICS

The CT-ANS background sensor is designed to measure ambient noise, helping to adjust the volume level of voice messages to the measured noise level in the zone of operation of the broadcasting system in a given zone. Based on the measurements of the CT-ANS sensor, the public address system maintains the volume of the emitted sound (announcement, information) in the zone for a specific setting. This allows intelligible announcements to be made at an appropriately adjusted volume level. The sensor measures ambient noise using a built-in professional microphone.

TECHNICAL DATE

Technical parameters	
Background measurement range	30 – 108 dBA
Operating temperature range	-25°C do +55°C
Dimensions (W/H/D)	65mm x 40mm x 30mm
Case	light grey, color RAL 7035
Housing tightness	IP-65 according to PN-EN 60529:2003
Tightness of protection	IK-06 according to PN-EN 5012:2001

COMPLIANCE WITH STANDARDS

- minimum range of measured ambient noise: 55-95 dBA
- minimum working environment temperature range - -25 °C to +55 °C
- degree of protection - IP65 in accordance with PN-EN 60529:2003
- degree of protection against external mechanical impacts \geq IK06 in accordance with PN-EN 50102:2001
- casing color - light grey

The construction of the CT-ANS background sensor is fully compliant with the current guidelines of PKP PLK SA Ipi-6 and good practices of PKP SA

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IRIS™
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