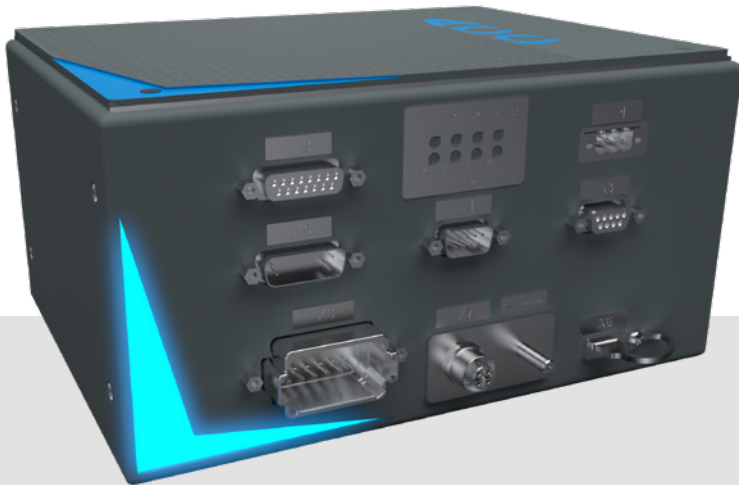


# AUDIO COACH CONTROLLER (ACC)

## ON-BOARD PASSENGER INFORMATION SYSTEM



### FEATURES

- Voip and uic568 operation possible
- Fulfills all relevant rail standards
- Runs on trdp



### INFORM YOUR PASSENGERS

The Audio Coach Controller (ACC) is the device that brings audio messages to your passengers. It enables you to provide passenger information or to entertain them by offering music, operating control center announcements or other relevant audio messages. Grade of service is high as it offers VoIP as well as UIC568 audio fallback solution. Even if parts fail the design allows limited operation. You can connect up to 4 loudspeaker networks and two passenger communication units of Luminator's PIS audio and visual system towards the ACC. The small box design allows easy integration even under limited space environment.

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### TECHNICAL DATA

<b>Audio</b>	
Amplifier	4 x 30 W continuous power on a 4Ω load.
<b>Electrical properties</b>	
Operating Voltage	Nominal Voltages: EN50155 :2017 - 110V; Other voltages available in option
Insulation and voltage withstand	Compliant to EN50155:2017: Voltage withstand 1000VAC or 1500VDC; Insulation: >20MΩ at 500VDC
Reverse polarity protection	Yes
Voltage interruptions Class	EN50155:2017 – Class S2
Supply changeover class	EN50155:2017 – Class C1
Inrush current	Limited to 5x the nominal current
<b>Interfaces</b>	
Status Indicator	Limited to 5x the nominal current
Power In	3-pin male Phoenix Combicon
Ethernet	1 x M12 D-coded connector (socket) for Ethernet 10/100Mbps
USB	USB 2.0 service port
Audio Output	12-Pin Male Deutsch DT connector for AMP 1-4 outputs 1 x (optional) D-Sub connector with 9 pins male (UIC 568 analog trainlines)
<b>Mechanical properties</b>	
Dimensions	Width: 230 mm; Height: 116.49 mm; Depth: 170 mm
Finishing	Black powder coated metal case
<b>Environment</b>	
Operating Temperature	Class OT4 as per EN50155 :2017, equivalent to Class TX as per 50125-1 :2014 inside a vehicle compartment: -40°C to +70°C
Storage Temperature	-40°C to +85°C.
Rapid Temperature Variation	EN50155:2017 Class H2
Ingress Protection	IP54
Shock and Vibration	Compliant to EN50155:2017 - EN 61373 performance for Category 1 body mounted equipment. Class B.
<b>Standards</b>	
DIN EN 45545-2	Compliant (HL2)
DIN EN 50121-3-2	Compliant (2016)
DIN EN 50155	Compliant (2017)
NFPA130	Compliant

#### Disclaimer

Features and specifications are subject to change without notice. Properties relating to the Goods contained in this document do not constitute the product specifications but typical values for purposes of description only. December 2020