

1021010030

Factory Entertainment System - 3 channels

FES-3

- TURN KEY SOLUTION
- FM Frequency Range 76-108 MHz (selectable per channel in front)
- Transmitter output power: 0.1/0.5W
- Safe signal range ≤ 1000m
- PA override
- PA failsafe operation
- Easy installation – no programming
- 3 selectable channels
- Large AC power input range

Description

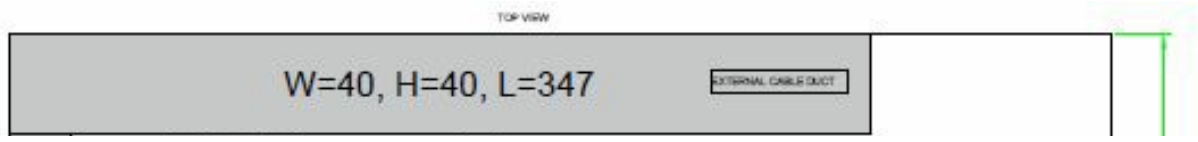
The Factory Entertainment System, FES-3, is an FM-based wireless entertainment system designed for marine factories, including fish factory vessels. Operating on three selectable commercial FM channels, the system is also equipped with interfaces to an Intercom/PAGA system for PA messages and General Alarm override. Offering flexibility, it can connect to various entertainment sources like IPTV, DVD, MP3, or any user-preferred audio source. The FM transmitters, with limited power, cover expansive indoor areas without interfering with normal commercial broadcasting. Users benefit from the choice of frequencies, avoiding commercial broadcasting frequencies.

Recommended for use are Ear Protective Headphones with built-in FM receivers, serving dual purposes by safeguarding hearing from damaging noise and offering a selection of entertainment channels. The system's PA/Alarm override functionality ensures workers hear crucial alarms and emergency messages —a regulatory requirement on marine vessels.

Key features:

- A free choice of entertainment sources (3 pcs) – project dependent
- FM Radio transmitters/FM radio distribution (3 pcs)
- Interface to Intercom/PA messages/Alarms (intrusion)
- FM Radio Headsets/hearing protection (unlimited)

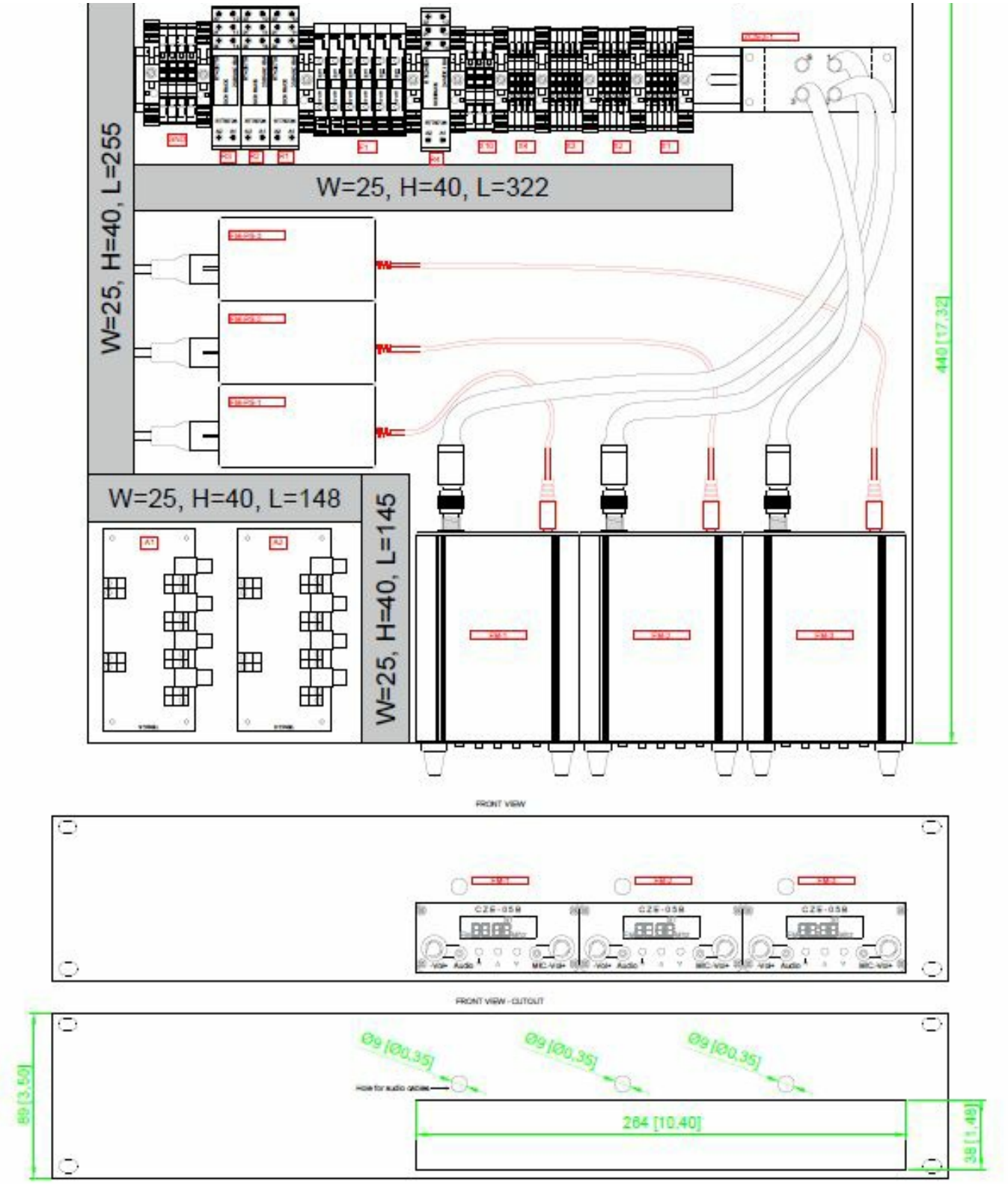
Technical Dimensions



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Specifications

GENERAL	
Stereo distribution	
Power input: 110V-230VAC- 50-60Hz (12 VDC internally)	
Power requirement – 50W (max)	
Channels: 3 (Entertainment / FM)	
Entertainment sources: Any / 0dBm	
PA / Alarm override (0dBm + NC Closing contact	
PA / Alarm failsafe operation	
Compass Safe Distance: > 5m	

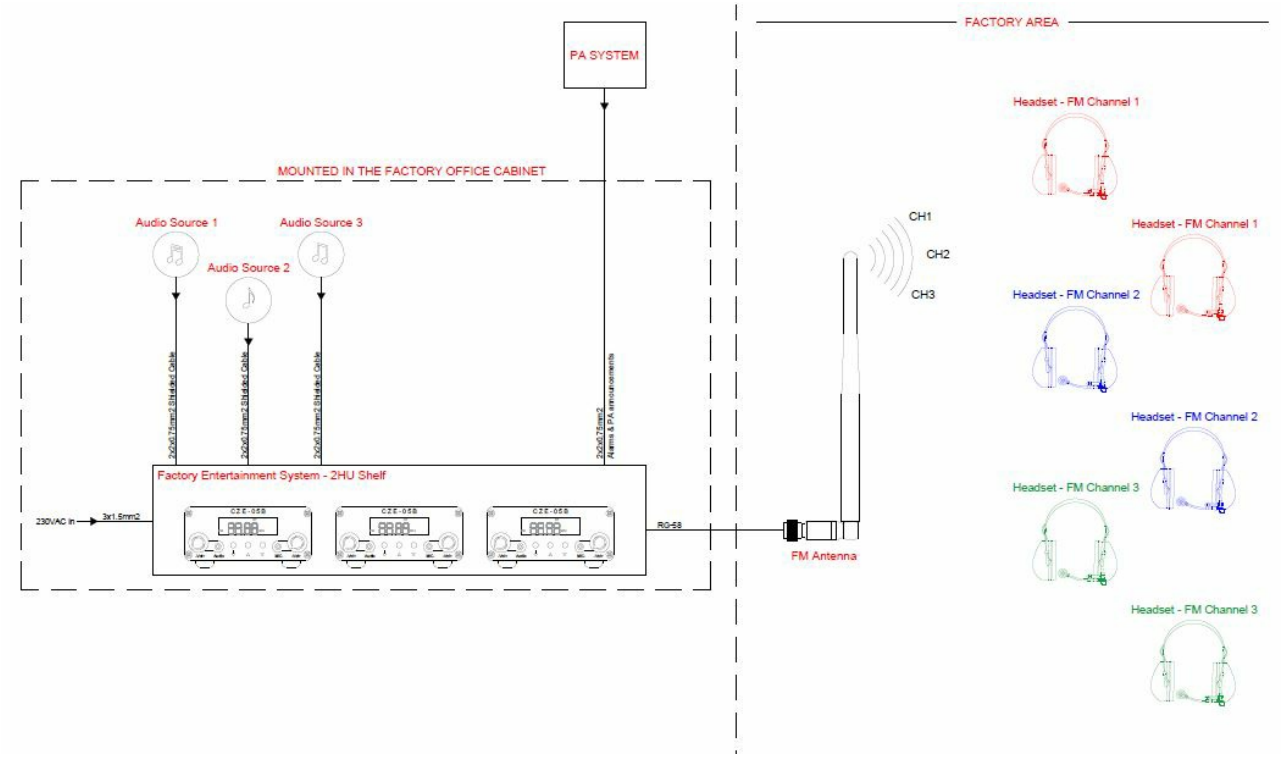
FM TRANSMISSION	
FM transmitter range	76-108 MHz (selectable per channel – access from front)
Frequency stability	≤ 10 PPM
Transmitter output power (per channel)	0.1 / 0.5W
Signal to Noise Ratio (SNR)	≤ 60dB
Frequency response	50 Hz - 15 kHz
Output impedance	50 Ω
Transmitter range	≈ 1000m (open air)
Recommended Coax cable (innstallation)	RG 58 (50 Ω)
Coax Cunnector (Installation) - FES-3 side	BNC style male (not included)
Coax connectors (installation) - Anenna side	TNC style male (not included)

MECHANICAL	
Dimensions (WxHxD)	483 x 89 x 440 mm
Mounting	19" - 2U (Rack)
Weight	3.5 kg

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Accessories



RF Signal Splitter/Combiner

ZSC-3-1+

Item Number: 1021010006



FM Transmitter antenna, Factory Entertainment System

FES-ANT

Item Number: 1021010005

Used With

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3M™ PELTOR™ WorkTunes™ Pro FM Receiver Headset with headband, HRXS220A

FM Headphone Receiver

Item Number: 1021010003



3M™ PELTOR™ WorkTunes™ Pro FM Receiver Headset with Hard Hat Mount, HRXS220P3E

FM Headphone Receiver

Item Number: 1021010004

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