

ES-1A/2A SPECIFICATIONS

< Network Interface Section >

Port	IN, OUT
Connector	RJ-45
Recommended Cable	Enhanced CAT-5 LAN cable (straight)
Cable Length	Up to 100 m
Media	100BASE-TX
Protocol	Digigram EtherSound

< Control Interface Section >

Port	REMOTE
Communication Protocol	RS422
Connector	Euro 6-pin
	Pin-1: RX (+)
	Pin-2: RX (-)
	Pin-3: TX (+)
	Pin-4: TX (-)
	Pin-5: +5 V (100mA)
	Pin-6: GND

< Amplifier Output Section >

Port	SP OUT
Rated Output	
ES-1A	20 W (8 Ω load)
ES-2A	10 W x 2 (8 Ω load)
Connector	Euro 4-pin
Pin Assignment	
ES-1A	OUTPUT between Pin-1 (BTL +) and Pin-3 (BTL -)
ES-2A	OUTPUT A: between Pin-1 (L ch +) and Pin-2 (GND) OUTPUT B: between Pin-3 (R ch +) and Pin-4 (GND)

< Dimensions & Weight >

Dimensions	280 (W) x 77 (H) x 160 (D) mm
Weight	2.7 kg

< Power Consumption >

ES-1A	26 W
ES-2A	23 W

< Power Requirement >

USA	AC 120 V 60 Hz
EUR/UK	AC 230 V 50 Hz
JPN	AC 100 V 50/60 Hz

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< Characteristics >

Unit	0 dBV = 1 Vrms
Rated Output	
ES-1A	20 ± 3 W (8 Ω load, 1 kHz, without clipping)
ES-2A	10 ± 3 W (8 Ω load, 1 kHz, without clipping)
Distortion	
ES-1A	0.1 % (3 W / 8 Ω, 1 kHz)
ES-2A	0.1 % (2 W / 8 Ω, 1 kHz)
Residual Noise	- 70 dBV or less (DIN AUDIO, VR: center)
Frequency Response	20 Hz ~ 20 kHz ± 3 dB
D-to-A Converter	AKM AK4384

< Environmental Condition >

Standard Temperature	20 ± 3 °C
Standard Humidity	65 ± 5 %
Characteritics Guaranteed	
Temperature	+ 5 ~ + 40 °C
Humidity	30 ~ 70 %
AC Voltage Deviation	± 5 % or less
Operation Guaranteed	
Temperature	- 5 ~ + 45 °C
Humidity	0 % ~ 90 % (without water droplets)
AC Voltage Deviation	± 10 % or less

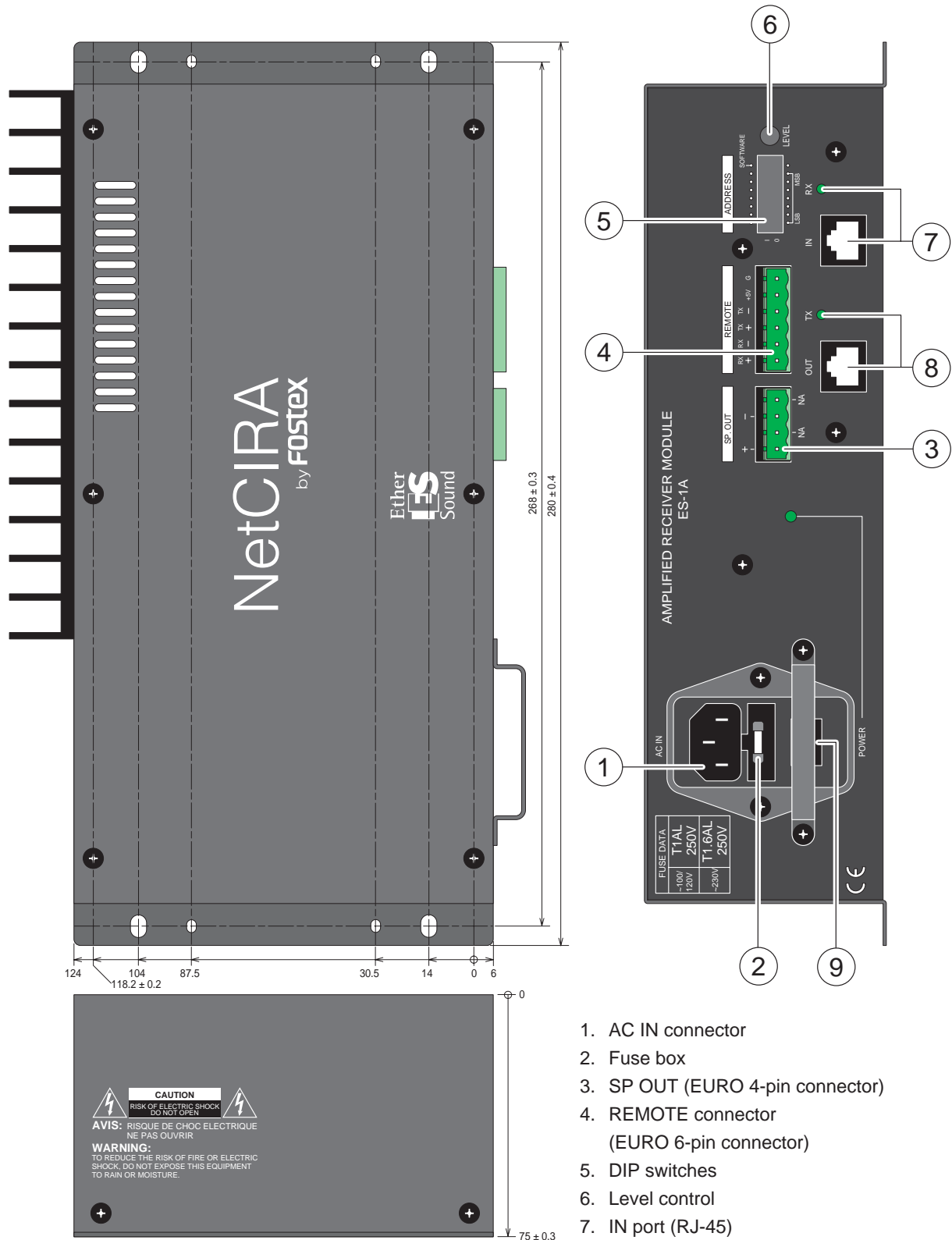
< Standards >

Vibration & Drop Tests	Complies to Fostex Company tehcnical standard.
Safety Standard	IEC60065
Others	
EMI	EN55011 Group 1 Class B EN61000-3-2 & 3-3
Immunity	EN50082-1 (Ed1)

* Specifications and physical appearance are subject to change without notice for product improvement.

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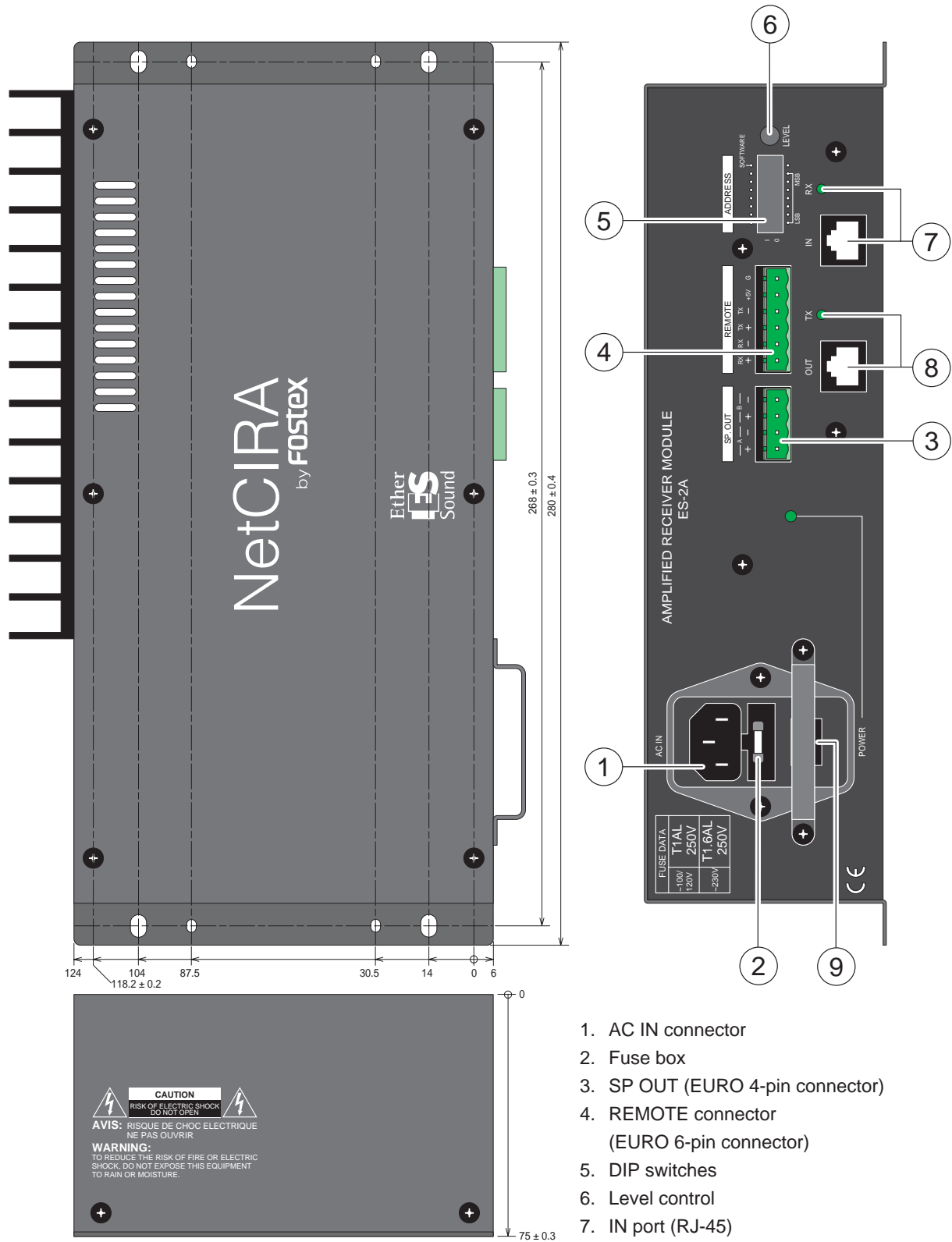
ES-1A CONTROLS, INDICATORS & CONNECTORS



1. AC IN connector
2. Fuse box
3. SP OUT (EURO 4-pin connector)
4. REMOTE connector (EURO 6-pin connector)
5. DIP switches
6. Level control
7. IN port (RJ-45)
8. OUT port (RJ-45)
9. POWER switch

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ES-2A CONTROLS, INDICATORS & CONNECTORS



1. AC IN connector
2. Fuse box
3. SP OUT (EURO 4-pin connector)
4. REMOTE connector (EURO 6-pin connector)
5. DIP switches
6. Level control
7. IN port (RJ-45)
8. OUT port (RJ-45)
9. POWER switch