

Architectural & Engineering Specifications

SPA 2120 –Amplifier

SPA 2120 Amplifier

The unit shall be an Ateis UK SPA2120 or equal and approved.

The unit shall comprise a steel rackmountable case with all connections and controls on the rear panel to deter unauthorised adjustments.

The unit shall include two totally independent amplifier channels with independent inputs, outputs and AC/DC power supplies such that a failure of one amplifier channel does not affect the operation of the second channel.

The unit shall be powered from both AC and DC power if required for voice alarm applications, and shall include power supply and amplifier overload surveillance with front panel indication and rear panel fault output contacts.

Amplifier input sensitivity shall be set via a rear panel rotary gain control with an associated control defeat switch.

Signal level shall be indicated via a front panel LED array.

The unit shall provide the following:

- 2U 19" Case
 - 483W x 88H x 305D mm
 - Forced air cooling
 - Temperature
 - 12.3kg Nett weight
- AC Power Supply
 - 230V +/-10%
 - 50Hz – 60Hz

Supply surveillance

Dual power supply

1 transformer/psu per

channel

Rear panel power switch

IEC connector

- AC Power Consumption Per Channel
230V

0.12A Quiescent

0.65A Typical speech message

0.89A Typical alarm tone & message

1.15A Typical alarm tone

1.4A Nominal power

- DC Power Supply

21V - 28V

Supply surveillance

Dual power supply

1 DC inlet/PSU per channel

Screw terminal Euro-Block plug

- DC Power Consumption Per Channel 28V

0.25A Quiescent

2.9A Typical speech message

3.9A Typical alarm tone & message

5.5A Typical alarm tone

6.4A Nominal Power Level

- Control And Indication (Per Channel)

LED Signal level bargraph

Front panel

LED Power present

Front panel

LED Power fault

Front panel

LED Amplifier overload fault

Front panel

LED Amplifier temperature fault

Front panel

Rotary gain control

Rear panel

Switch activation

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- Audio Inputs (Per Channel)
 - Balanced line level input
 - 770mV rms Sensitivity
 - 20k Ohm impedance
 - Female XLR
 - Screw terminal Euro-Block plug
- Slave Audio Outputs (Per Channel)
 - Balanced line level output
 - Male XLR
 - Screw terminal Euro-Block plug
- Main Audio Outputs (Per Channel)
 - 70V & 100V Line high impedance
 - 4 Ohm - 8 Ohm Low impedance
 - Screw terminal Euro-Block plug
- Audio Performance
 - 2 x 120W Nominal output
 - Bridgeable output stages
 - <1% THD at nominal power
 - >90dB S/N ratio
 - 60Hz - 18kHz Frequency response

IMPORTANT

Specifications are subject to change without prior notice. More information can be found at the website: www.ateis.co.uk.

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