

APU-RS8E

Amina Protection Unit Data sheet



Application:

The APU-RS8E is an 8 channel, 1U high, rack mount, in-line protection unit for use with Amina Invisible Loudspeakers.

The APU-RS8E is designed to be used as an alternative to the Amina APU (2 channel protection unit) where a 19 inch rack based product is more desirable in multi-channel speakers systems.

Features:

The APU-RS8E is designed to be connected between the amplifier and the loudspeaker. It performs two important functions in terms of loudspeaker protection:

High-pass filtering - audio frequencies below 80Hz are attenuated to prevent undue mechanical stress of the Amina loudspeaker's precision transducers.

Fuse protection - protection circuits within the APU-RS8E incorporate a self-resetting fuse which prevents excessive power levels from reaching the loudspeaker. If power levels become too high the fuse reduces the volume of sound to protect the speaker, rather than cutting the audio signal altogether.

Connectors:

The APU-RS8E is supplied with a set of 8 easy and quick to use Springcon[®] plugs. These high quality, lever operated plugs can accept 0.08mm² to 2.5mm² cable.



Warranty:

The APU-RS8E is designed to operate reliably for many years. Correctly installed and operated in accordance with the installation instructions. Amina warrants the APU-RS8E against defective materials and workmanship for a period of 1 year.



Specifications

APU-RS8E

Dimensions	1U height front panel, 482mm x 44.4mm (19" x 1 3/4"), case depth, 213mm (8.375")
Net Weight	4.1Kg (9lbs)
Filter Type	Passive 3rd order, high-pass. 20dB/ octave slope, -3dB at 72Hz
Fuse Protection	Self-resetting, current sensing type. Fuses set internally for each speaker model
Compatibility	Suitable for use with all Amina Evolution (Excluding AIW750E) and iQ Series Series
Number of Channels	8 channels
Connection Type	Supplied with 8x Springcon® plugs for bare wire connection (0.08mm ² - 2.5mm ² cable)
Maintenance requirements	Protection fuses can be set by the installer (refer to user guide). The APU-RS8E may require servicing by the manufacturer if the fuses are repeatedly tripped



European Union WEEE regulations:

The product is fully RoHS compliant, eliminating to a minimum the use of hazardous materials within its manufacture. At the end of its useful life it should be returned to the manufacturer for recycling according to the European Union's WEEE directive.

All products are subject to change without notification. E&OE



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