



Product Data Sheet: 19" Rack Mount, Multi-channel Loudspeaker Protection Unit

APU-RS8



Application:

The APU-RS8 is an 8 channel, 1U high, rack mount, in-line protection unit for use with the AIWXn range of Invisible loudspeakers.

The APU-RS8 is designed to be used as an alternative to the Amina APU2 (2 channel protection unit) where a 19 inch rack based product is more desirable in multi-channel speaker systems.

Features:

The APU-RS8 is designed to be connected between the amplifier and the AIWXn loudspeaker. It performs two important functions in terms of loudspeaker protection:

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

Fuse protection - protection circuits within the APU-RS8 incorporate a self-resetting fuse which prevents excessive power levels from reaching the AIWXn 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-RS8 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-RS8 is designed to operate reliably for many years. Correctly installed and operated in accordance with the installation instructions, Amina warrants the APU-RS8 against defective materials and workmanship for a period of 1 year.



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Technical Specifications:

Dimensions:	1U height front panel, 482mm x 44.4mm (19" x 1.75"), case depth, 213mm (8.375")
Net Weight:	4.1Kg (9lbs)
Filter type:	Passive 3rd order, high-pass. 20dB/octave slope, -3dB at 72Hz with AIWxN connected.
Fuse protection:	Self-resetting, current sensing type. Fuses set internally for each AIWxN speaker model.
Compatibility:	Suitable for use with Amina AIW1Xn; AIW2Xn; AIW3Xn; AIW4Xn; AIW5Xn only.
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-RS8 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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