

APURS16iC

RACK-MOUNT PROTECTION UNIT

DATASHEET Rev. 1.8 | 15-12-2021 | E&OE



AMINA
IMMERSIVE INVISIBLE SOUND

Product Description

16-channel passive rack-mounted protection unit for Amina Invisible Loudspeakers. For use in installations with higher numbers of low-impedance speakers with a centralised AV rack. Direct-to-PCB screw terminal-blocks allow for fast and easy permanent installation.

Each channel of protection contains a resettable thermal fuse which can be independently set to protect different models of Amina Invisible Loudspeakers, meaning that a single unit can protect a whole system, no matter which speakers have been specified. Removing the top panel of the unit reveals jumper-leads for each channel, enabling fast and secure setup. Please refer to table below for protection configuration.

Default setting set to 15W to ensure protection of lowest power speakers out of the box. Please note that protection setting will need to be changed to ensure maximum performance of the connected loudspeaker.

When the set power level is exceeded, the APU will greatly reduce the power sent to the loudspeaker and distortion will be heard. It is essential that users recognise this as a sign that the speakers are being overpowered and absolutely must not increase power to compensate for the volume drop under any circumstances.

Not suitable for high impedance 100V/70V line installations or subwoofers.



Compatible Loudspeakers

MOBIUS series, EDGE series.

APU's should be used as a last-line of defence to protect loudspeakers from being overdriven in normal operation in an appropriately configured system. Amplifier channels should be power limited to the speakers rated power handling.

Repeated tripping of thermal fuse will affect the trip-point, resulting in reduced maximum power handling before protection kicks in. Protection may be replaced to restore full performance.

APU-RS16iC Protection Groups

1	iQ1, iQ2 (legacy)
3	Mobius3i, Edge3i, MobiusDual i
5	Mobius5i, Edge5i, Mobius5i/S200
7	Mobius7i, Edge7i

Specifications

Electrical connection	Direct-to-PCB screw terminal blocks
Dimensions	1U high, front panel 482mm x 44.4mm (19" x 1 3/4"), case depth 213mm (8 3/8")
Product weight	3.14Kg (6lbs 14oz)
Speaker families protected	Mobius, Edge, iQ (legacy), Evolution (legacy)
Default protection setting	Group 1 / 15W

Compatible Loudspeakers

iQ1, iQ2 (legacy)
Mobius3i, Edge3i, MobiusDual i
Mobius5i, Edge5i, Mobius5i/S200
Mobius7i, Edge7i

APU-RS16iC

Direct-to-PCB screw terminal blocks
1U high, front panel 482mm x 44.4mm (19" x 1 3/4"), case depth 213mm (8 3/8")
3.14Kg (6lbs 14oz)
Mobius, Edge, iQ (legacy), Evolution (legacy)
Group 1 / 15W

Amina Technologies Limited

Cirrus House, Glebe Road, Huntingdon, Cambridgeshire, PE29 7DL, England

+44 (0) 1480 354390 | info@aminasound.com | www.aminasound.com