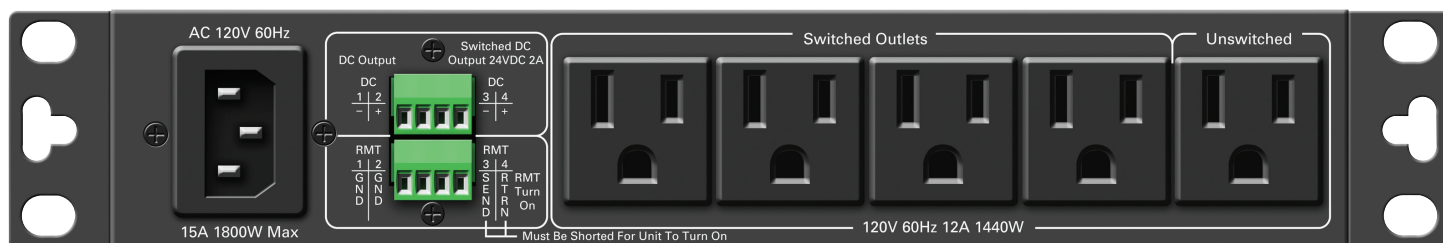
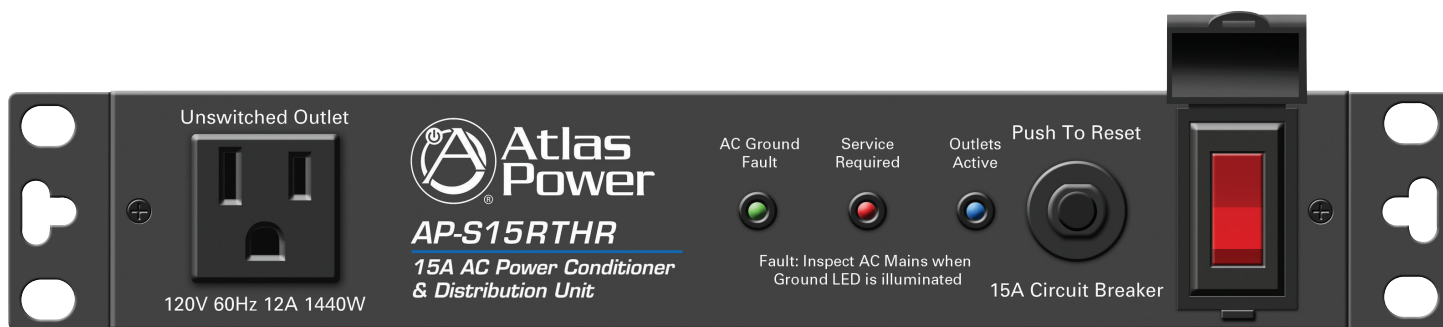




AP-S15RTHR

AC Power Conditioner & Distribution Unit



Features

- Half Width Rack Design 8.5" Wide with Removable Rack Ears
- Circuit Breaker Protection @ 15A
- 6 Total Outlets
 - 4 Rear Panel Switched Outlets
 - 1 Rear Panel Unswitched Outlet
 - 1 Front Panel Unswitched Convenience Outlet
- Removable IEC Power Cord with a Retainer Bracket
- Remote Activation via Latched Dry Contact Closure or DC Voltage or EPD (Emergency Power Down) to Integrate with Fire Control Panels
- Remote Status LED Power Terminals
- RFI Noise Filtering to Reduce Radio Frequency Interference
- EMI Filtering to Reduce Electromagnetic Interference
- Service Required Indicator
- Earth Ground Fault Connection Indicator
- Power Switch Cover
- 24VDC 2000mA DC Output

Application

The flexible AP-S15RTHR was designed with features to be used in a variety of applications. The AP-S15RTHR can be used for protection against voltage surges and for AC distribution. The AP-S15RTHR can also be used for power conditioning to eliminate or reduce fuzzy video or audible static pops. The following are just a few examples of applications where the AP-S15RTHR can be used:

- Restaurants
- Houses of Worship
- Schools
- Theaters
- Office Buildings
- Sports Bars

General Description

The AP-S15RTHR has been designed to fit into Atlas half width equipment racks. The AP-S15RTHR meets or exceeds most installation requirements for AC power distribution and equipment power protection. The AP-S15RTHR design offers power management control, remote activation, 24VDC 2000mA output, noise filtering, spike/surge protection and six AC outlets making it the most compact, cost effective power management protection system on the market today.

The AP-S15RTHR features noise filtering for unwanted Radio Frequency Interference (RFI) that is commonly introduced into AC lines by nearby radio transmitters or wireless products. EMI filters are incorporated to reduce noise and Electromagnetic Interference (EMI) from such items as electric motors and external switching power supplies. The benefit of these filters can be seen on video products and heard audibly by reduced static pops and external signal interference.

The AP-S15RTHR can be remotely activated by using dry contact closure or via a 5V – 24VDC voltage. Either method can be triggered by using one of the optional Atlas WPD wall plate switches that feature a custom label area and remote status LED. The AP-S15RTHR also features a 24VDC 2000mA DC output that works in conjunction with the switched AC Outlets. This 24VDC output provides enough current to power several Time Saving Device (TSD) preamps, mixers or amplifiers reducing or eliminating the need for external DC power supplies.

For fire alarm requirements an Emergency Power Down function or EPD can also be created by using the Remote Activation feature by simply keeping the Remote Activation contact closed until a condition occurs that requires a system shut down. When the contacts are open, it will remove power from the switched outlets. The AP-S15RTHR is unique by allowing you to select the power cord length that is required for the installation. A removable 12' IEC power cord with a retainer bracket is supplied with the unit.

The AP-S15RTHR is designed to be mounted in a half width rack, but can also be rack mounted into 19" equipment racks by using the optional PA702RMK kit. This kit allows you mount an AP-S15RTHR by itself or in conjunction with another Atlas half width rack product such as the DPA-102PM, PA40G/PA60G, or MA40G/MA60G in a 19" 1RU space.

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Specifications

Type	Power Conditioner & Suppressor
Load Rating	15A / 12A
Safety Listings	UL 60950 Standard

Height	1.75" (1RU, 44.5mm)
Width	8.5" (215.9mm) Body with Rack Ears 10.5" (266.7mm)
Depth	8" (203mm)
Weight	5.5 lbs (2.49kg)

Front Panel

Outlets	1 Unswitched
Activation Switch	Rocker with Security Cover
Circuit Breaker	15A Resettable
Indicators	AC Power On, Outlets Active, AC Ground Fault

Rear Panel

AC Outlets	5 Outlets Total, 1 Unswitched & 4 Switched
Remote Activation	Latching Type Dry Contact Closure or 5V-24VDC
Remote Activation Connector	4 Position 3.5mm Phoenix Type Connection
24VDC 2000mA Output	4 Position 3.5mm Phoenix Type Connection
AC Mains IEC Power Socket	15A 1800W

Technical Data

Max AC Mains Current	15A AC Mains Breaker
Operating Voltage	102VAC - 132VAC
Power Consumption	8 Watts
Noise Attenuation RFI	10dB @ 10kHz / 40dB @ 100kHz / 100dB @ 10MHz
Min. Spike Clamping Voltage	460VRMS @ 3,000A
Max. Spike Clamping Voltage	6000V
Max. Spike Clamping Resp. Time	1 nanosecond
Spike Clamping Voltage @ 100A	1250Vp for 20µs
Maximum Surge Current	6,500A
Energy Rating @ 2ms	600 Joules
Temperature Range	5° - 35°C
Humidity Range	5% to 95% Relative Humidity

Mechanical

Chassis Finish	Black
Mounting	Half Rack Mount, 1 RU, Optional 19" Rack Kit Available

Architect and Engineer Specifications

Power conditioner shall be Atlas Sound model AP-S15RTHR. Power conditioner shall have 6 total outlets: 5 rear panel outlets (4 switched and 1 unswitched) and 1 front panel, unswitched outlet. Power conditioner shall include Radio Frequency Interference (RFI) and Electromagnetic Interference (EMI) filtering to reduce noise in AC lines. Power conditioner shall have circuit breaker protection at 15A. Unit shall also include remote activation circuitry to be used with remote push button or key switch via contact closure on the rear panel. Power conditioner shall include a 24VDC 2000mA output via rear panel Phoenix connector. Front panel shall include AC Ground Fault, Service Required, and Outlets Active LED indicators and protective cover over power switch. Finish shall be textured black epoxy and dimensions shall be 8.5"W x 8"D x 1.75"H (215.9mm x 203mm x 44.5mm) to mount into 1RU of space.