

Product Manual

RS1800 – Plug Load Control

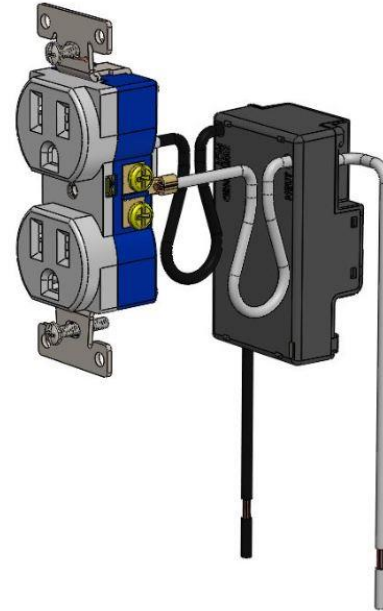
PRODUCT DESCRIPTION

The Audacy RS1800 Plug Load Controller is a wireless device which provides electrical connectivity between the outlet (load) and 120VAC line power as well as provide on/off power control. The information that tells the controller to power on/off the outlet is acquired via wireless signals that originate from a building automation system or from room controls, based on environmental conditions and/or predetermined programs.

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KEY FEATURES

- FCC and IC approved
- Small form factor with internal antenna
- RoHS compliant
- Factory configurable for custom applications



PRODUCT CONTENTS

The following items are included inside the package:

Qty	Description
1	Plug Load Control RS1800
1	Instruction card

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Product Manual

RS1800 – Plug Load Control

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IDEAL Model RS1800 Plug Load Controller Installation Instructions

WARNING: This is a current rated device. Use in applications involving amperage beyond its rating can be dangerous and cause electrical fires.

**Wiring must comply with all applicable electrical codes.
Turn off power before removing or installing connector.**

TERMINOLOGY

LINE(Black): Controller power feed to be connected to premise wiring

LOAD(Red): Power output Controller to AC outlet

Neutral(White): Incoming Neutral from premise wiring and outgoing AC outlet

CONNECTING THE WIRES

Input Power

The smart connector **LINE(Black)** and **NEUTRAL(White)** wires are 12 AWG stranded copper conductors.

1. Strip wires to 1/2".
2. Connect Controller Line Input to premise line power feed with appropriate sized wirenut or push-in connector.
3. Connect Smart Connector Neutral Input to premise neutral feed with appropriately sized wirenut or push-in connector..
4. For feed-through (i.e., "daisy-chain") installations, connect the LINE hot feed-through conductor into the wirenut in step 2. Also, connect the NEUTRAL feed-through conductor connected without re-installing the wires. into the wirenut in step 3.

LOAD

The **LOAD(red)** and **Neutral(White)** wire are 18 AWG solid copper conductors.

1. Strip wires to 1/2".
2. Connect Controller LOAD wire to the AC outlet with appropriate sized wirenut or push-in connector if necessary.
3. Connect Controller NEUTRAL Output to the AC outlet with appropriately sized wirenut or push-in connector if necessary.
4. For feed-through (i.e., "daisy-chain") installations, connect the LOAD hot feed-through conductor into the wirenut in step 2. Also, connect the NEUTRAL Output feed-through conductor into the wirenut in step 3.

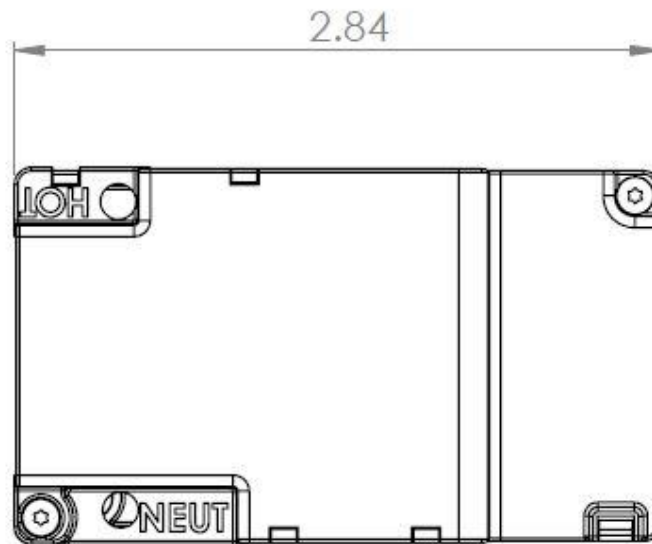
Product Manual

RS1800 – Plug Load Control

SPECIFICATIONS

Item	Description
Radio	915 MHz Internal Antenna
Regulatory Approvals	FCC Part 15 and Industry Canada Contains FCC ID: 2AAMXRS1800 Contains IC: 11250A-RS1800
Transmit Range	100 ft. indoors to an Audacy Gateway or Smart Connector in a typical commercial office building
Power	25+ year Li battery, non-replaceable
Operating Temperature	10°C to 32°C
Storage Temperature	-20°C to 50°C
Installation Environment	Indoor use only
Color	White
Dimensions	2.84" x 1.65" x 1.03" (72.13 x 41.91 x 26.12 mm)
Weight	3.7 oz (106 grams)
Warranty	1 year

MECHANICAL (TOP VIEW)



*Dimensions in inches

Product Manual

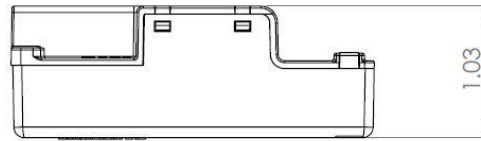
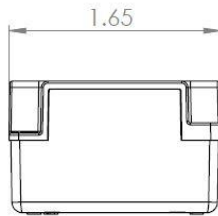
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MECHANICAL (SIDE VIEWS)



*Dimensions in inches

Product Manual

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SUPPORT

Technical support for IDEAL INDUSTRIES products can be initiated through the following methods:

Website: <http://www.idealindustries.com/support/>

Telephone: +1 800-435-0705

Email: contactus@idealindustries.com

Product Manual

RS1800 – Plug Load Control

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COMPLIANCE STATEMENTS

This device is intended for commercial and industrial applications.

Changes or modifications not expressly approved by IDEAL INDUSTRIES could void the user's authority to operate the equipment. Use and maintain device only as specified in this manual.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING!

FCC and IC Radiation Exposure Statement:

This equipment complies with FCC's and IC's RF radiation exposure limits set forth for an uncontrolled environment under the following conditions:

1. This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the radiator (antenna) & user's/nearby person's body at all times.
2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Product Manual

RS1800 – Plug Load Control

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Product Manual

RS1800 – Plug Load Control

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WARRANTY

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