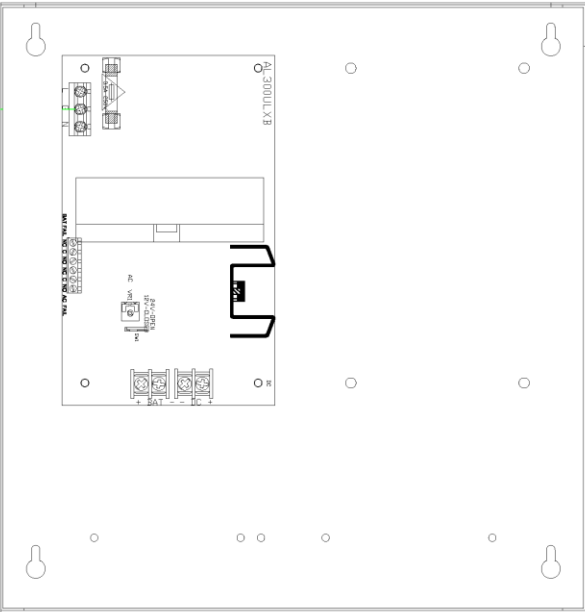




AREA OF REFUGE USER MANUAL AND INSTALLATION GUIDE

Read and save these instructions before installation and use



Model number(s)
HON-AOR-PSU-5-10

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 CAUTION	<p>THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE NFPA 72 STANDARD, THE NATIONAL ELECTRIC CODE (NEC), AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL STATUTES, REGULATIONS, AND BUILDING CODES.</p> <p>THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.</p>
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About this guide

Scope

This installation guide describes how to install, operate, and maintain Model **HON-AOR-PSU-5-10**.

It is recommended that this instruction set be read completely prior to the start of any installation.

Revision history

Revision	Supported Release	Date	Description
1.0		May 30, 2024	<ul style="list-style-type: none">Initial release of HON-AOR-PSU-5-10.

Intended audience

This guide is primarily intended for field personnel who install and configure the product.

Related documents


The following list identifies publications that may contain information relevant to the information in this document:


- None at this time

Contents

Please ensure receipt of each of the included **HON-AOR-PSU-5-10 Power Supply** components:

Qty	Part Number	Description
1	HON-AOR-PSU-5-10	Class 2 power supply with enclosure for HON-AOR-5* or HON-AOR-10* Command Unit. 115VAC input, 24VDC output.

 ATTENTION	You should inspect the HON-AOR-PSU-5-10 Power Supply when unpacking the box for possible damage in shipment. If it is damaged or any of the components are missing, please contact your distributor immediately. Do not discard any hardware or packing material before you are certain you have all the items listed above, and the unit is installed and functioning correctly.
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 CAUTION	<p>FOR UL 2525 APPROVED CALL STATIONS (I.E. MODEL NUMBERS WITH THE -ETL DESIGNATOR), SYSTEM MUST BE INSTALLED WITH AN UL 2525 APPROVED COMMAND UNIT (I.E. MODEL NUMBERS WITH THE -ETL DESIGNATOR) AND AN OFFICIAL POWER SUPPLY MODEL HON-AOR-PSU-5-10.</p> <p>THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE NFPA 72 STANDARD, THE NATIONAL ELECTRIC CODE (NEC), AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL STATUTES, REGULATIONS, AND BUILDING CODES.</p> <p>THIS PRODUCT IS INTENDED FOR INDOOR USE ONLY.</p>
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Technical Requirements


Command Unit Compatibility

The following table outlines Command Unit compatibility for the **HON-AOR-PSU-5-10 Power Supply**.

Power Supply Model Number	Compatible Command Unit Models
HON-AOR-PSU-5-10	Available and optional for any HON-AOR-5* or HON-AOR-10* Command Unit model without the -ETL designator
	Required for any HON-AOR-5* or HON-AOR-10* Command Unit model with the -ETL designator

Specifications

- Input:** 115VAC, 60Hz, 3.5A
- Output:** 24VDC (Class 2 rated, power-limited)
2.5A total supply current
- Supervision:** AC fail supervision (form "C" contacts)
- LED Indicators:** AC input
DC output
- Input Fuse Rating:** 5A/250V
- Output Fuse Rating:** 15A/32V

 CAUTION	<p>FOR UL 2525 APPROVED COMMAND UNITS (I.E. MODEL NUMBERS WITH THE -ETL DESIGNATOR), SYSTEM MUST BE INSTALLED WITH OFFICIAL POWER SUPPLY MODEL HON-AOR-PSU-5-10 (SOLD SEPARATELY).</p> <p>THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE NFPA 72 STANDARD, THE NATIONAL ELECTRIC CODE (NEC), AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL STATUTES, REGULATIONS, AND BUILDING CODES.</p> <p>THIS PRODUCT IS INTENDED FOR INDOOR USE ONLY.</p>
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Agency Listings and File Numbers


The **HON-AOR-PSU-5-10 Power Supply** is UL Listed to UL 1481, Standard for Power Supplies for Fire-Protective Signaling Systems and evaluated to CSA Standard C22.2 No.205-M1983.


This listing can be found under **UL File # S4707**.

Battery Backup

Local backup power is provided by the **HON-AOR-5 / HON-AOR-10 Command Unit** – the backup battery can be found within that unit. A battery is not connected within the **HON-AOR-PSU-5-10 Power Supply**.

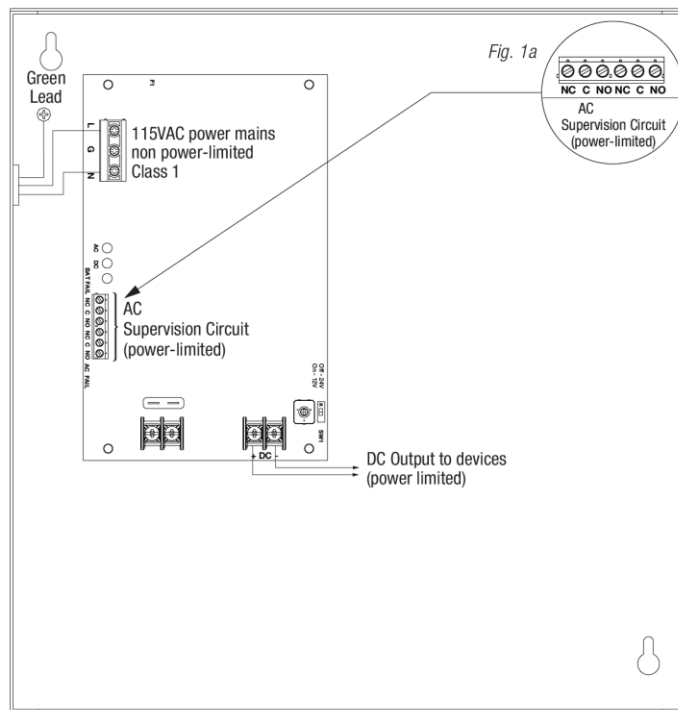
Installation

 CAUTION	<p>It is the installer’s obligation to ensure compliance with all national, regional, and local regulations. Installation should be performed only by qualified personnel in accordance with the National Electrical Code (NEC), NFPA 72, and other federal, state, and local statutes and building codes. Using shielded cable is recommended to avoid noise, hum, and other operational anomalies.</p> <p>This product is intended for indoor use only.</p>
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 CAUTION	<p>DE-ENERGIZE POWER SUPPLY PRIOR TO SERVICING.</p> <p>For continued protection against risk of electric shock and fire hazard replace fuse with the same type and rating. Do not expose to rain or moisture.</p>
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Connections

The input and output terminal connections are labeled and their locations shown below.



[L] and [N]: This is the primary AC power input terminal and connects to a 115VAC, 60Hz source.

[+ DC -]: This is the DC output terminal and connects to the **24 VDC** input terminal on the **HON-AOR-5 / HON-AOR-10** Command Unit.


AC Fail [NC] [C] [NO]: This is the primary AC power fail supervision terminal and connects to an addressable fire alarm control panel (FACP).

Terminal Identification


The following table provides further details and specifications on the input and output terminals.


Terminal Legend	Function Description
L, N	Connect 115VAC 60Hz. to these terminals: L to Hot, N to Neutral. Do not use the [G] terminal.
+ DC –	12VDC or 24VDC @ 2.5A continuous power-limited output.
AC Fail NC, C, NO	Indicates loss of primary AC power and connects to an addressable fire alarm control panel (FACP). This relay is normally energized when AC power is present. Contact rating 1A @ 28VDC. AC Fail condition will report within approximately one (1) minute after loss of primary AC power.

Hardware Installation


 CAUTION	<p>It is the installer’s obligation to ensure compliance with all national, regional, and local regulations. Installation should be performed only by qualified personnel in accordance with the National Electrical Code (NEC), NFPA 72, and other federal, state, and local statutes and building codes. Using shielded cable is recommended to avoid noise, hum, and other operational anomalies.</p> <p>This product is intended for indoor use only.</p>
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1. Mount the **HON-AOR-PSU-5-10 Power Supply** in the desired location. See, [Enclosure Dimensions \(p.12\)](#), for further details.
 - a. Mark and pre-drill holes in the wall to line up with the top two keyholes of the enclosure.
 - b. Install two upper fasteners and screws in the wall with the screw heads protruding.
 - c. Place the upper keyholes of the enclosure over the two upper screws; level and secure.
 - d. Mark the position of the lower two holes.
 - e. Remove the enclosure.
 - f. Drill the lower holes and install two fasteners.
 - g. Place the upper keyholes of the enclosure over the two upper screws.
 - h. Install the two lower screws and make sure to tighten all screws.
 - i. Secure enclosure to earth ground.
2. Ensure that the enclosure has been secured to earth ground.

 ATTENTION	<p>Please take note of the following specifications for wiring and spacing.</p> <ul style="list-style-type: none"> • Use 14 AWG or larger for all power connections (DC output, AC input). • Use 22 AWG to 18 AWG for power-limited circuits (AC power fail supervision output). • Keep power-limited wiring separate from non-power-limited wiring (115VAC, 60Hz input wires and AC supervision wires). Minimum 0.25-inch spacing must be provided.
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 CAUTION	<p>CAUTION:</p> <p>Do not touch exposed metal parts.</p> <p>Shut off branch circuit power before installing or servicing equipment.</p> <p>There are no user serviceable parts inside. Contact Talkaphone Area of Refuge (AOR) Support for servicing. See, Servicing (p.14), for contact information.</p>
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3. Connect primary AC power (115VAC, 60Hz) to the terminals marked **[L]** and **[N]**. See [Connections \(p.8\)](#) to locate these terminals.
4. Turn on the primary AC power—the green **“AC”** LED on the power supply board will illuminate. This LED can be seen through the LED lens (labeled **“POWER”**) on the door of the enclosure.
5. Measure the output voltage before connecting the **HON-AOR-5 / HON-AOR-10** Command Unit.
6. Turn off the primary AC power—when servicing the power supply, primary AC power should be shut off completely.
7. Connect the **HON-AOR-5 / HON-AOR-10** Command Unit to be powered onto the terminals marked **[+ DC -]**. See [Connections \(p.8\)](#) to locate these terminals.
8. Turn on the primary AC power—the green **“AC”** LED on the power supply board will illuminate. This LED can be seen through the LED lens (labeled **“POWER”**) on the door of the enclosure.
9. Close and secure the cover with the provided key lock.

 CAUTION	<p>CAUTION:</p> <p>Do not touch exposed metal parts.</p> <p>Shut off branch circuit power before installing or servicing equipment.</p> <p>There are no user serviceable parts inside. Contact Talkaphone Area of Refuge (AOR) Support for servicing. See, Servicing (p.14), for contact information.</p>
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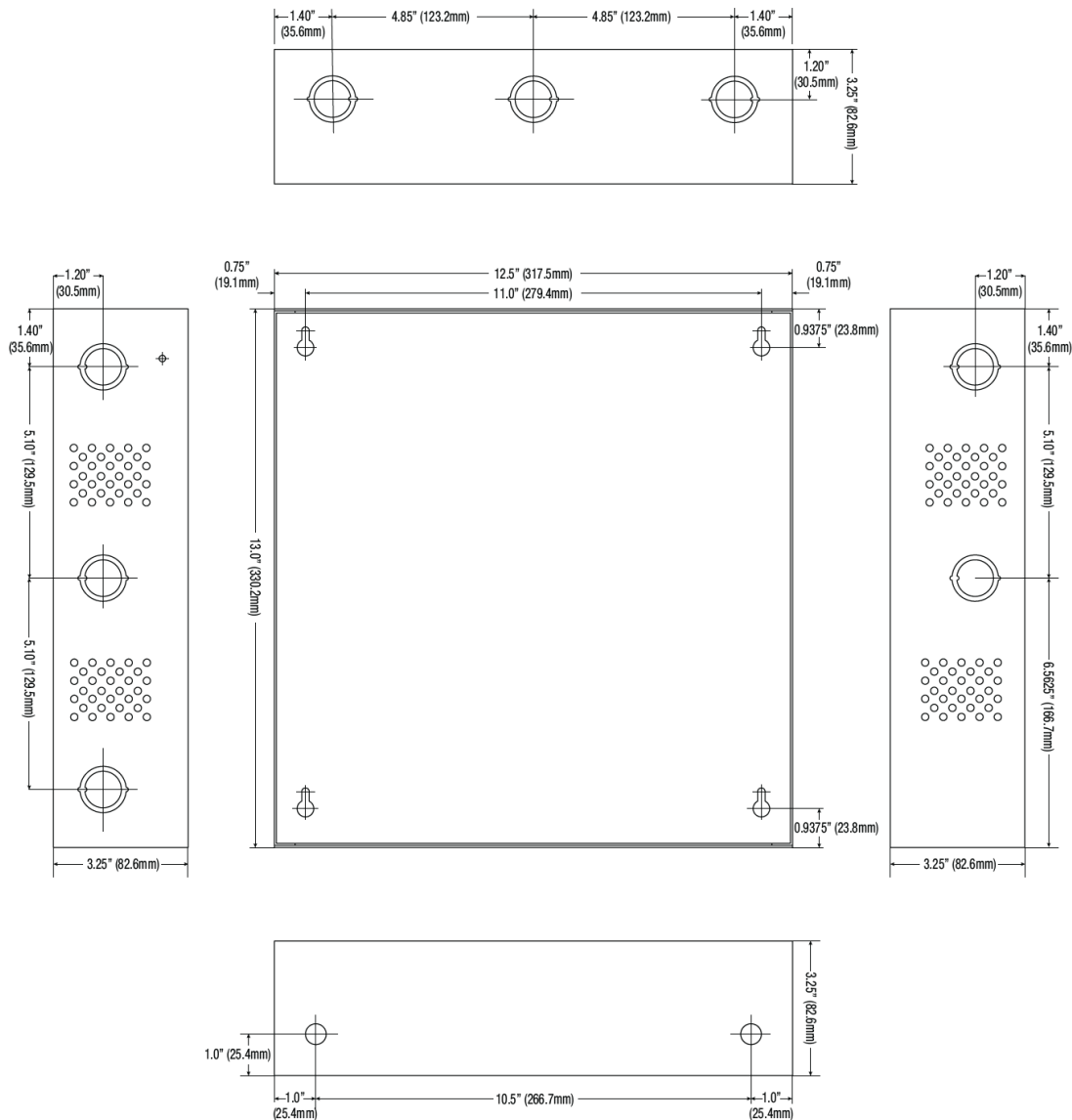
LED Diagnostics

The following table defines the status information provided by the onboard LEDs.

DC (Red LED)	AC (Green LED)	Power Supply Status
ON	ON	Normal operating condition
OFF	ON	No DC output
OFF	OFF	Loss of AC. No DC output.

Enclosure Dimensions

The overall dimensions of the enclosure for the **HON-AOR-PSU-5-10 Power Supply** measure 12.5" x 13.0" x 3.25" (317.5mm x 330.2mm x 82.6mm). Further details are dimensioned below.



System Maintenance

Annual Testing

NFPA 72 requires that area of refuge two-way communication systems be **inspected, tested, and maintained** on an **annual basis**. NFPA 72 specifies the method required as “verify location and condition”.

As such, the following guidelines are highly recommended:

- An annual inspection and testing be scheduled as part of the facility/building preventative maintenance schedule.
- Each **HON-AOR-CS Analog Call Station** should be inspected and tested.
- The Command Unit should be inspected and tested.
- The Sub-Command Unit should be inspected and tested.
- Verify the condition of the backup battery and replace if necessary.

Servicing

For product service and repair, please contact:

Talkaphone Area of Refuge (AOR) Support

Email: aorsupport@talkaphone.com

Phone: 773.539.1100

Limited Warranty Information

For the latest warranty information, please visit:

<https://www.honeywellareaofrefuge.com/warranty>

HON-AOR-PSU-5-10 Power Supply Installation Information Sheet

The below installation information sheet must be completed and securely retained for ready reference for future maintenance and operation of this **HON-AOR-PSU-5-10 Power Supply**.

Area of Refuge Power Supply

Model Number: HON-AOR-PSU-5-10

Installation Date: _____

In the event of trouble, please contact the below local service representative.

Name: _____

Company: _____

Address: _____

Phone: _____

IMPORTANT NOTE:

THESE NOTES AND CONTACT INFORMATION ARE TO BE SECURELY RETAINED FOR READY REFERENCE.

Notes: _____

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