

# Installation Guide for Chicago Plenum



## **Diversa Power Packs WP-PP20-D & WP-PP20-2P-D**

## 1. Introduction

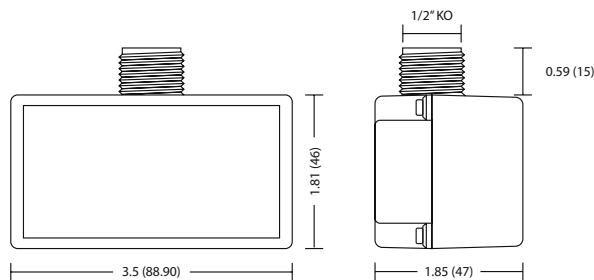
This document specifies the dimensions and recommended installation of the Diversa Powerpacks in a space required to meet the City of Chicago Environmental Air (CCEA) regulations.

#	Device Type	Description	PN
1	Diversa Power Pack	1-Pole 24VAC Diversa Powerpack	WP-PP20-D
2	Diversa Power Pack	2-Pole 24VAC Diversa Powerpack	WP-PP20-2P-D

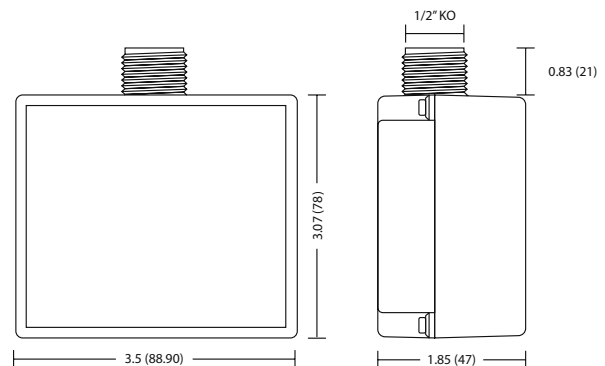
## 3. Dimensions

The powerpacks shall be mounted inside an electrical junction box or panel with a ½” threaded nipple.

### WP-PP20-D



### WP-PP20-2P-20-D



## 4. Chicago Plenum Compliance

In the city of Chicago, there is a stringent City of Chicago Environmental Air (CCEA) requirement that must be adhered to for installation of components in the plenum space.

All Recessed Luminaire wiring compartment covers, junction boxes and junction box covers shall have no holes and all covers that open into the plenum space shall be Gasketed.

The use of non-metallic parts are not permitted for the following items:

- a. wireways,
- b. junction boxes, and
- c. enclosure of electrical parts, such as:
  - i. wire,
  - ii. splices
  - iii. miscellaneous components (lampholders, ballasts, capacitors, etc.)  
Exception: Self Heating Thermal Protectors (Insulation Detectors).
- d. Any parts on the plenum side of the recessed fixture with the exception of the gaskets.

## 4.1. Chicago Plenum Installation

The WP-PP20-D and WP-PP20-2P-D are designed to be mounted in a 4x4 junction box. With 2 back-to-back airtight junction boxes the WP-PP20-D and WP-PP20-2P-D can be installed to meet the CCEA requirement.



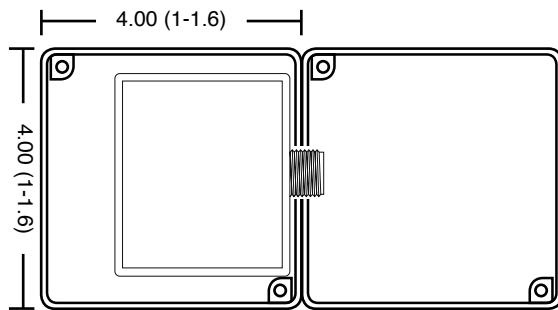
Box for example only shown:

<https://www.garvinindustries.com/electrical-junction-boxes/4-square-junction-boxes/2-1-8-in-deep-boxes/52171-svt>

Gasketed Cover:

<https://www.garvinindustries.com/covers-and-device-rings/4-square-covers-device-rings/flat-covers/52c1-vt>

Example Installation:



### WP-PP20-D



### WP-PP20-2P-20





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