



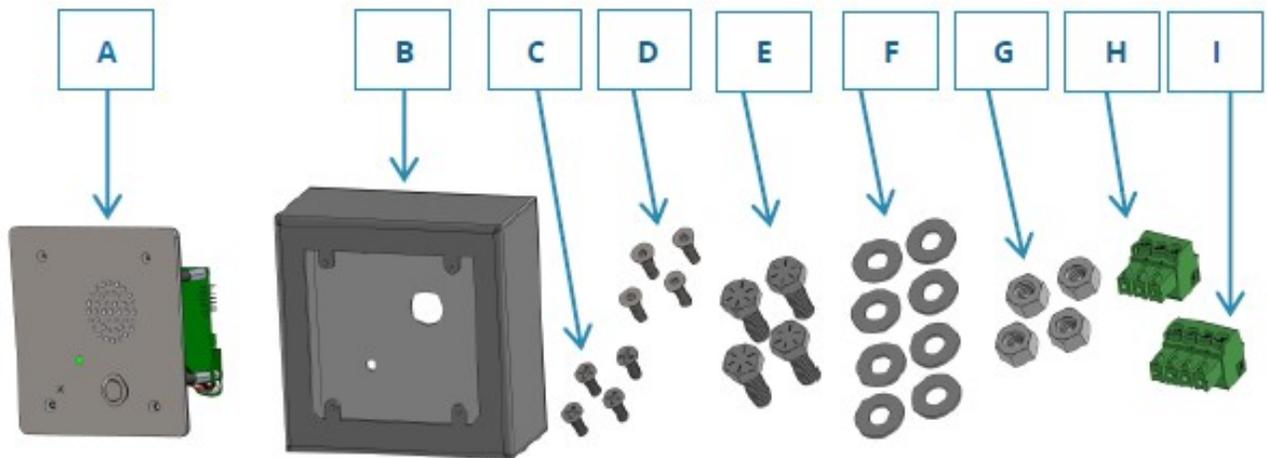
# Outdoor Pedestal IP Intercom

## *Installer's Guide*



This step-by-step guide will help you install your Wahsega Outdoor Pedestal IP Intercom.

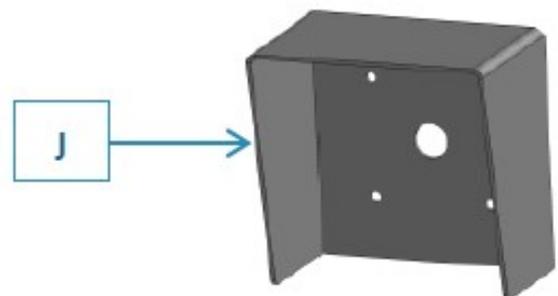
## What's in the Box



- A. 1 x VoIP intercom assembly
- B. 1 x Back mount box
- C. 4 x 1/2" faceplate standard screws (Phillips head)
- D. 4 x 1/2" faceplate security screws (T-15 Torx pin drive)
- E. 4 x 1/4"-20 bolts for pedestal mount
- F. 4 x 1/4"-20 nuts
- G. 8 x 1/4" washers
- H. 1 x 3-pin male connector for controlling door access
- I. 1 x 4-pin male connector for request to exit & door status monitor

### Optional accessory:

- J. 1 x Weather hood  
WL-BKMT-HOOD-OV

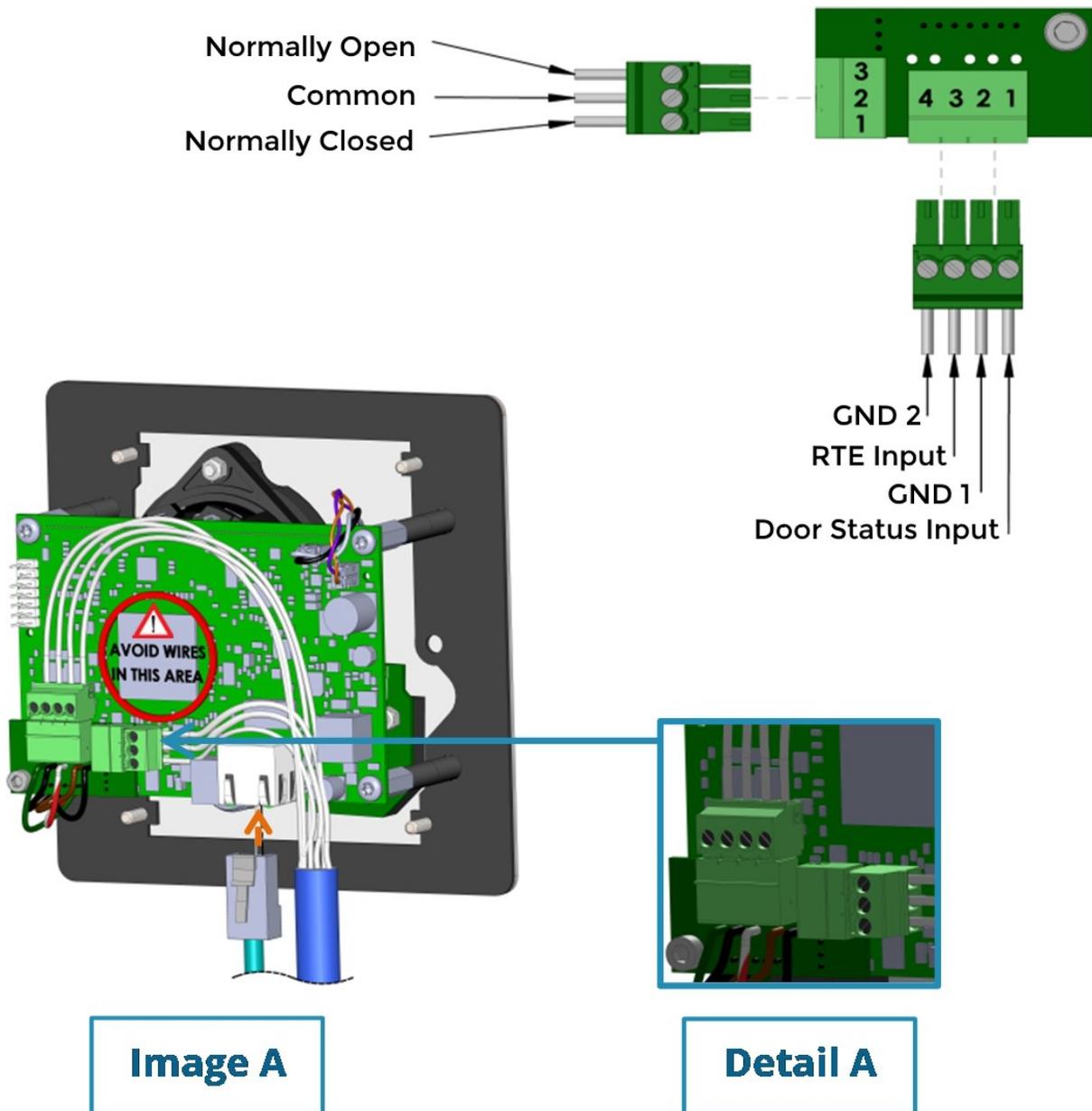


## What You Will Need

- **PoE power**
  - Power-over-Ethernet (PoE 802.3af) switch
- **Remote communication point**
  - SIP server (such as PICS)  
or
  - Peer-to-peer device to call
- **Network cable**
  - Cat5e or Cat6, max 100m
- **Wrench or ratchet set**
- **RTV sealant for weatherproofing**
- **Screwdrivers**
  - Small flat head screwdriver
  - Phillips head screwdriver
  - T-15 Torx pin screwdriver (optional for security screws)
- **For wall mount installations:**
  - ½" conduit
  - ½" set screw style connector
  - ½" conduit nut
  - ½" conduit sealing ring
  - (4) ¼"-20 concrete or drywall anchors

## Request to Exit and Door Latch Wiring

The Outdoor Pedestal IP Intercom provides an integrated relay with connections for controlling magnetic door latches, request to exit (REX) functionality for buttons and/or exit motion sensors as well as door closed status monitor.



## Auxiliary Output (Door Control)

The connector for Auxiliary Output is a 3-pin male connector, wired to a Form C relay (SPDT), used to connect door latches, gates and other points of entry. Its contacts are rated for 30VDC or 270VAC at 3A.

- **Pin 1** is a Normally Closed (NC) dry contact closure.
- **Pin 2** is Common.
- **Pin 3** is a Normally Open (NO) dry contact closure.

## Door Status Monitor & Request to Exit

The connector for Request to Exit (REX) and door status monitor is a 4-pin male connector used to monitor door open/closed status as well as the RTE button/motion sensor functionality.

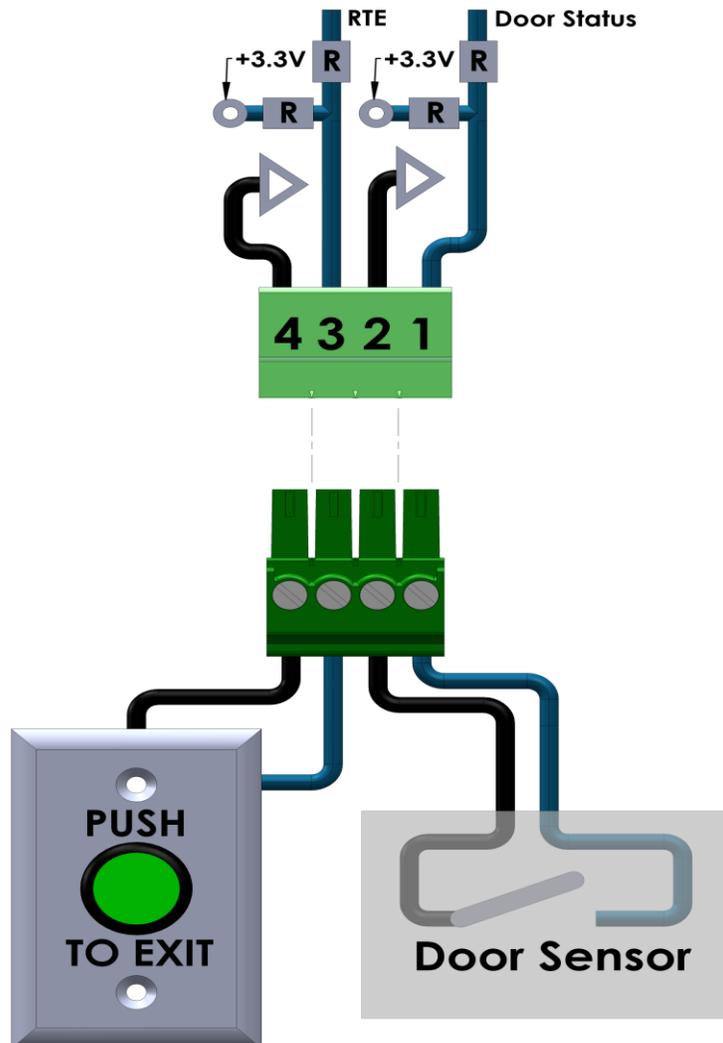
- **Pin 1:** Door status monitor line. It can be wired as a ground/open button or switch. It is pulled up by 4.7k to 3.3V and wired through 220Ω. Connect to the NO of an SPDT. [NOTE 1](#)
- **Pin 2:** Door status ground reference pin. Connect to Common.
- **Pin 3:** Request to exit button and/or motion activated exit monitor line. Can be wired as a ground/open button or switch. Connect to the NO of an SPDT connection. [NOTE 2](#)
- **Pin 4:** REX ground pin. Connect to Common.

**NOTE 1:** Door status monitor has a detection de-bounce period of 300 milliseconds minimum. Otherwise, detection is not guaranteed.

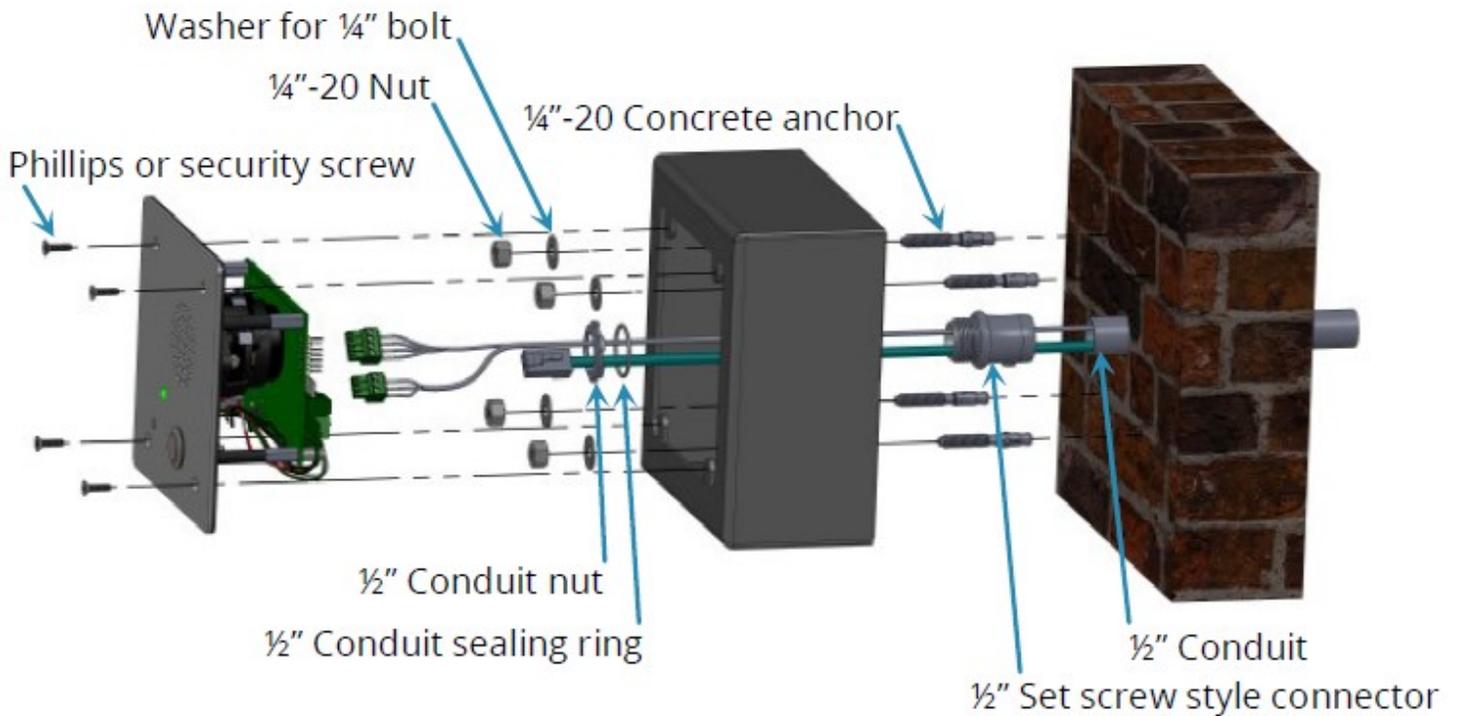
**NOTE 2:** The REX has a detection de-bounce period of 130 milliseconds minimum. Otherwise, detection is not guaranteed.

## Door Status Monitor & REX Connector

The REX input can be wired in parallel with a REX button and an exit motion sensor. Both REX and door status inputs go to Normally Open (NO) connections on corresponding devices.

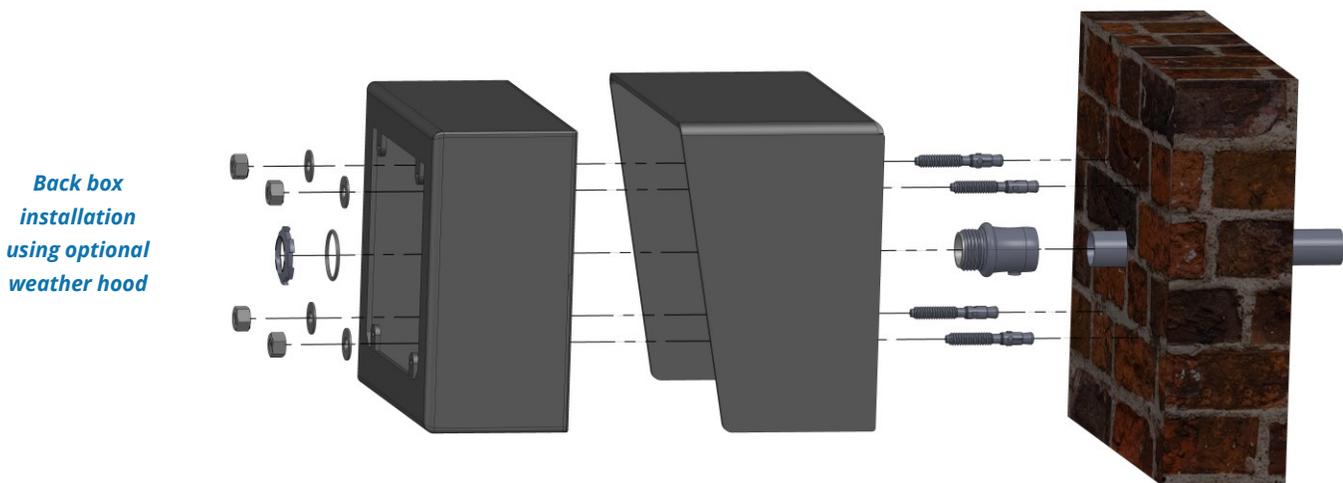


## Wall Mount Installation



*\*Refer to pages 2-3 for a list of [included hardware](#) and [what you will need](#) to properly install your Wahsega Outdoor Pedestal IP Intercom.*

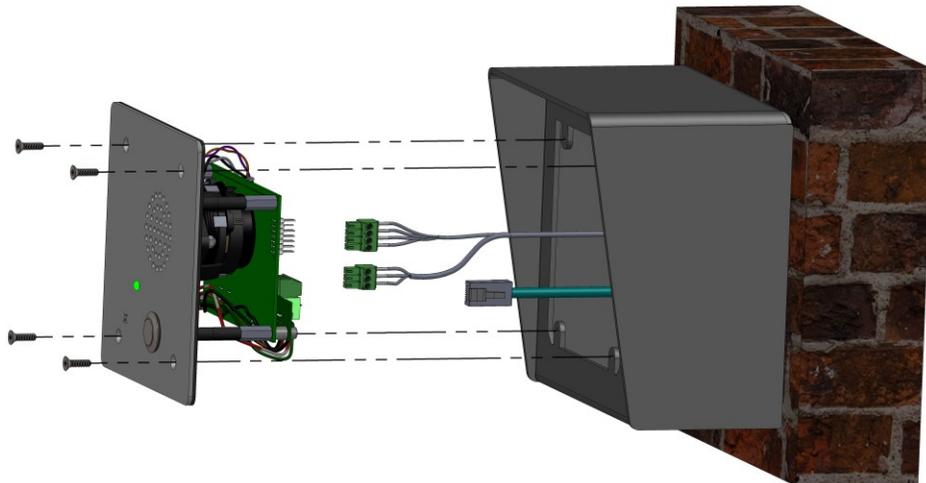
1. Using a ½" conduit plug and the appropriate drywall or concrete anchors for your application, affix back box to wall with or without optional weather hood, as shown below. Note key placement and refer to [Image B](#) to check for correct installation orientation. Use template provided on page 19 to ensure accurate bolt placement.  *Studs or fasteners should protrude from the wall **no more than 0.50" when using hood or 0.40" without hood** ([Images C & D](#)).*



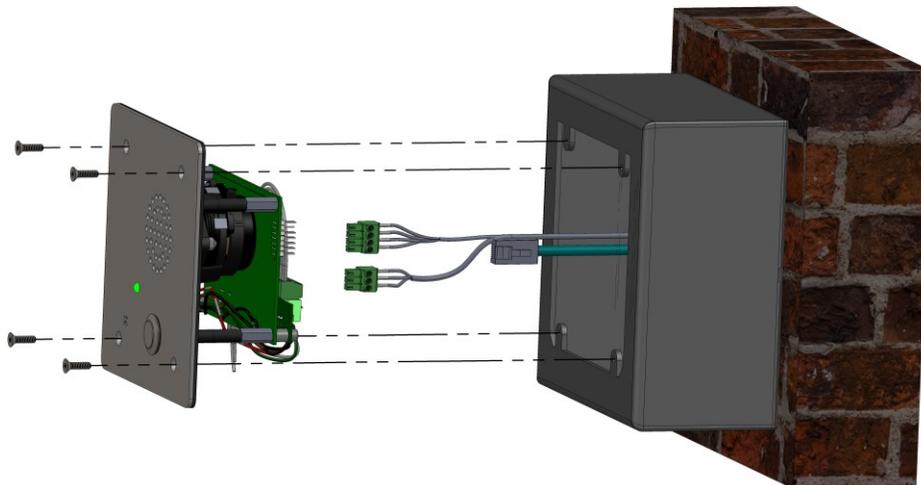
2. For proper weatherproof deployment, use a ½" conduit sealing ring and fill anchor holes with a generous amount of RTV sealant before threading connectors.
3. Following instructions on [pages 4-9](#), connect low voltage wiring to terminal blocks for door access, request to exit and door status.
4. Connect Ethernet cable in the orientation shown in [Image A](#).

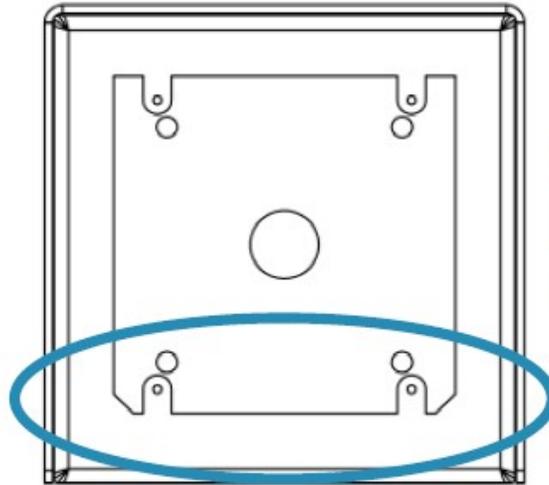
5. Before installing the faceplate, be sure to locate and note your device's MAC address, which is printed on a white sticker on the rear of the circuit board.
6. Attach the intercom's faceplate to the back box using either the Phillips head screws or the security screws provided.

*Faceplate installation using optional weather hood*



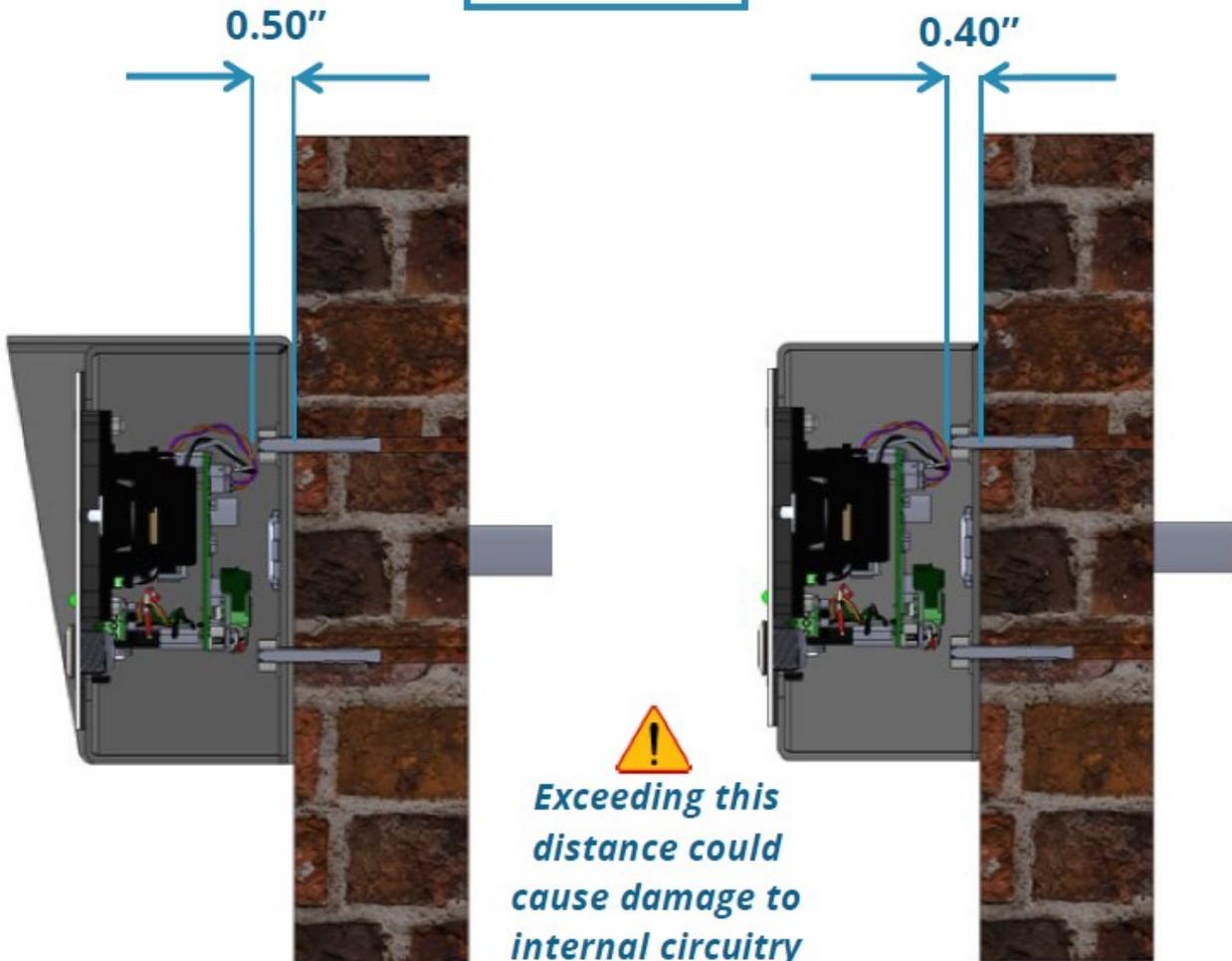
*Faceplate installation without optional weather hood*





*Note key placement for proper installation orientation*

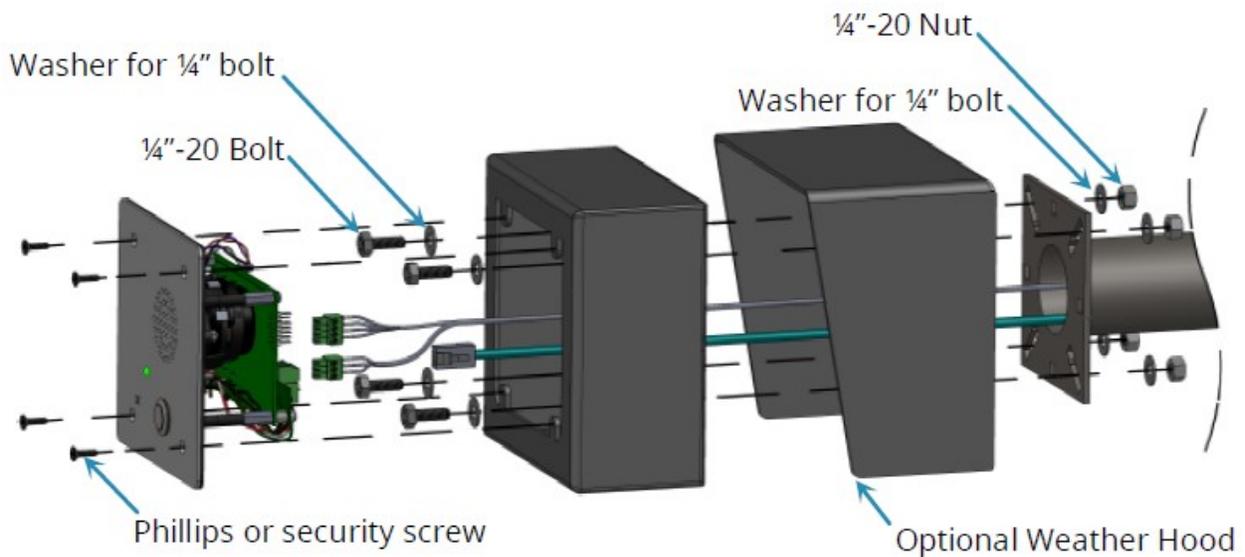
**Image B**



**Image C**

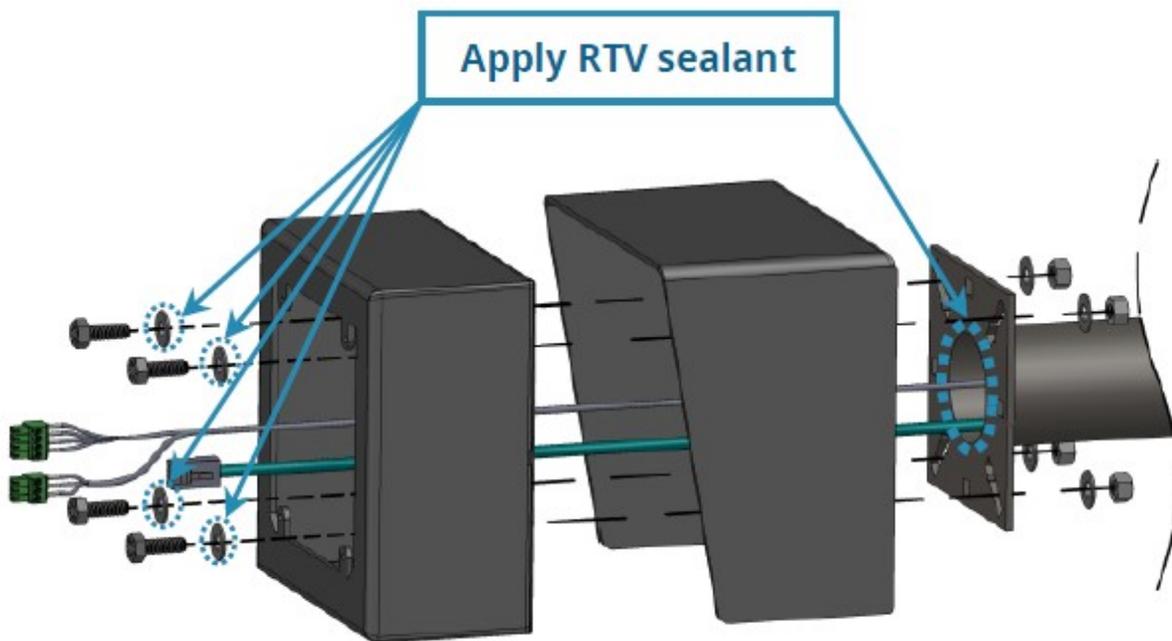
**Image D**

## Pedestal Mount Installation



*\*Refer to pages 2-3 for list of [included hardware](#) and [equipment needed](#) to properly install your Wahsega intercom.*

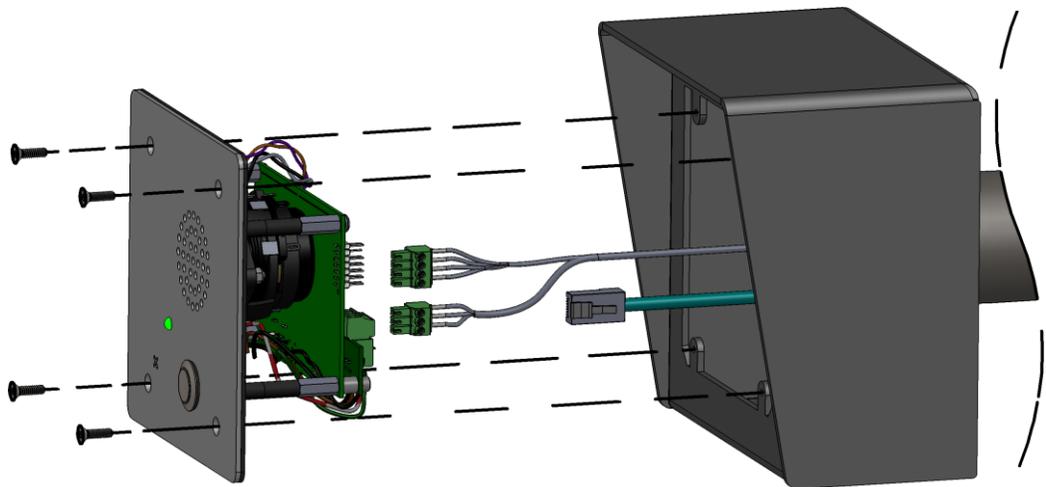
1. Using the included hardware, bolt the back box and (optional) weather hood onto pedestal face as shown below, in the orientation shown in [Image B](#).
2. For proper weatherproof deployment, apply a generous amount of RTV sealant onto both sides of the interior washers and around the perimeter of the pedestal opening, as shown below.



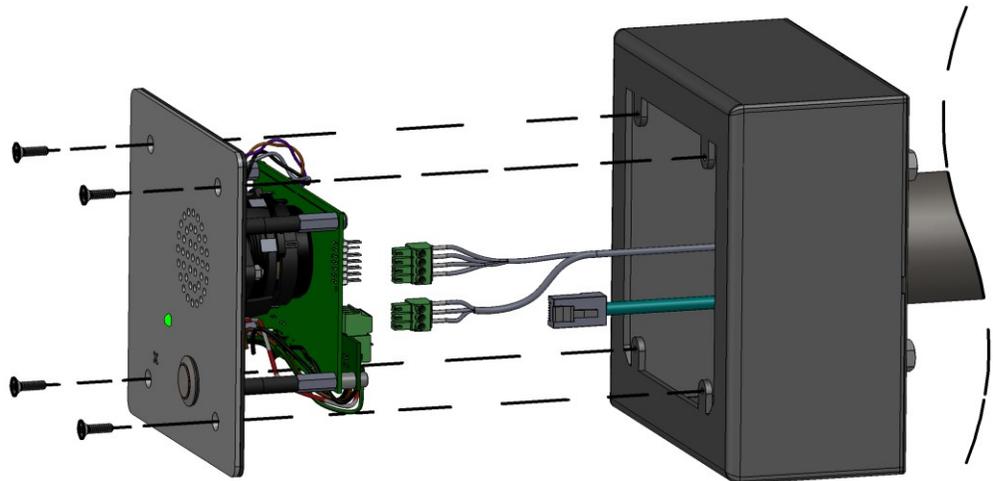
3. Following instructions on [pages 4-9](#), connect low voltage wiring to terminal blocks for door access, request to exit and door status.

4. Connect Ethernet cable in the orientation shown in [Image A](#).
5. Before installing the faceplate, be sure to make a note of your device's MAC address, which is printed on a white sticker affixed to the rear of the circuit board.
6. Attach the intercom's faceplate to the back box using either the Phillips head screws or the security screws provided.

*Faceplate installation using optional weather hood*



*Faceplate installation without optional weather hood*



## Standards Compliant

The Wahsega Outdoor Pedestal IP Intercom meets or exceeds the following RF emissions standards.

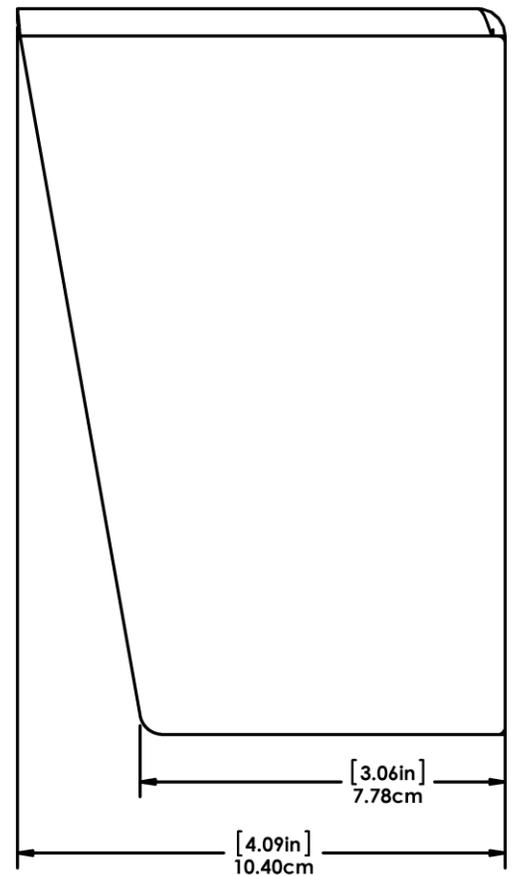
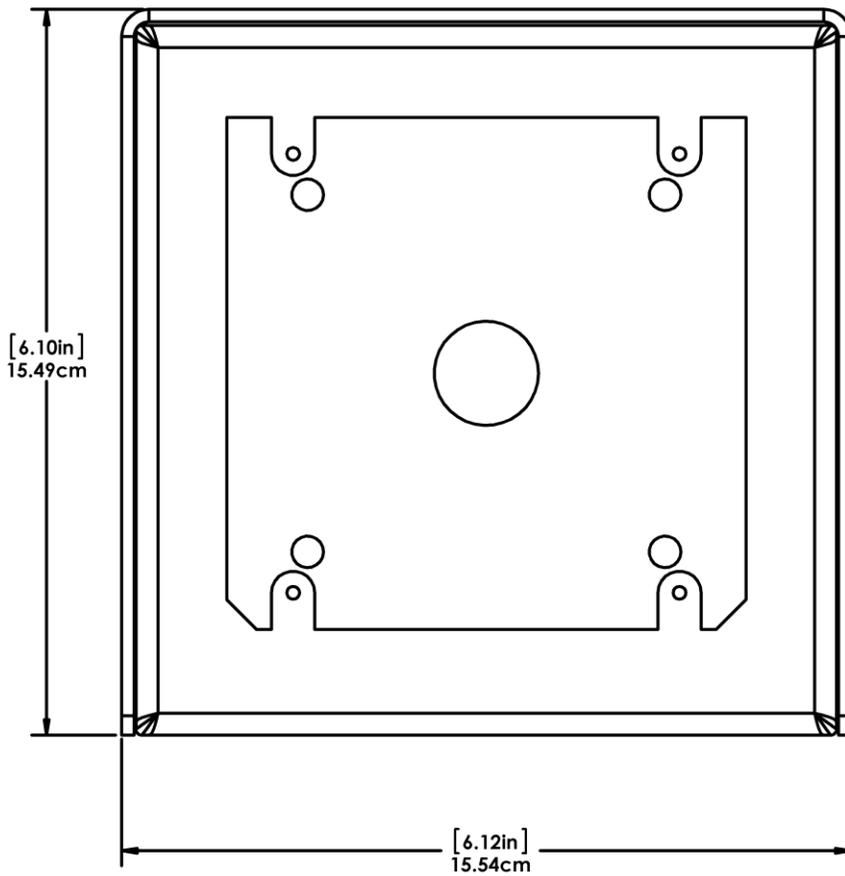
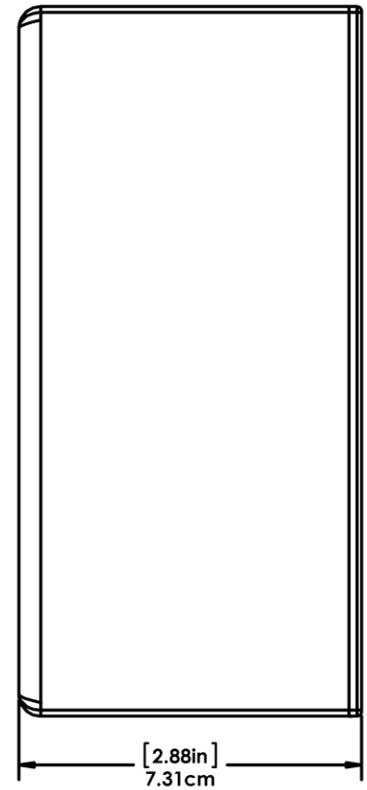
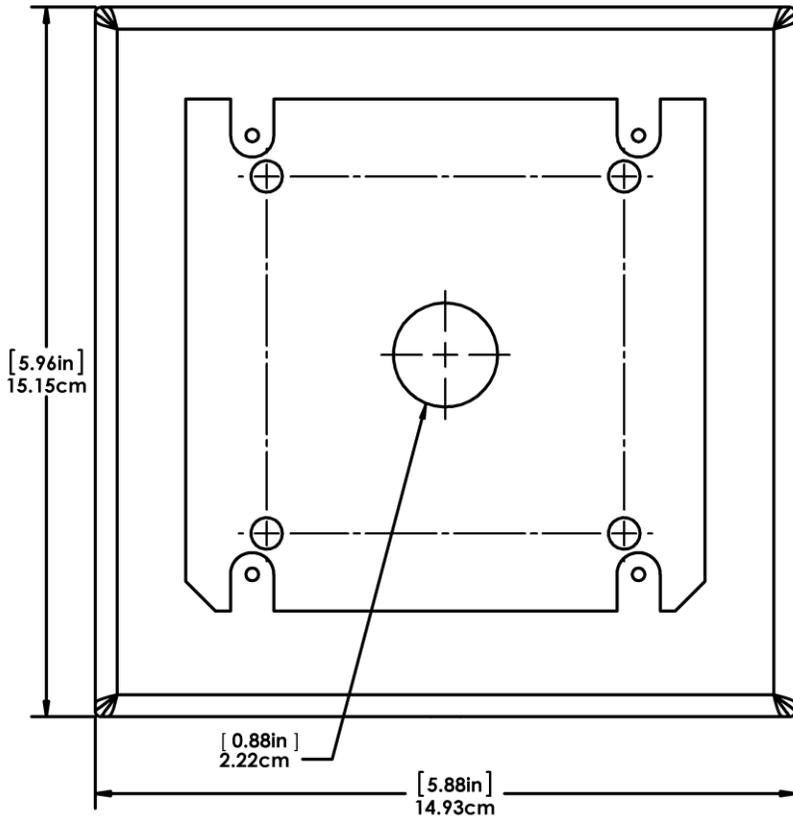
- FCC 47 CFR Part 15 Subpart B
- Industry Canada ICES-003 Issue 5
- Cet appareil numérique de la classe A est conforme à la norme ICES-003 du Canada.

This product is designed & manufactured in the US.

- ROHS Compliant
- Temperature Rating -40°C to +60°C.

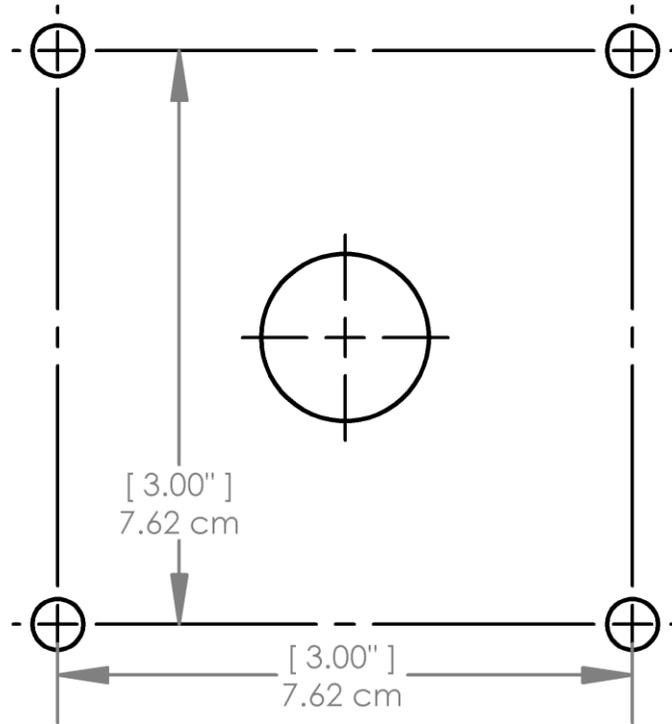
The Outdoor Pedestal IP Intercom is designed for an outdoor IP65 rating.





Images not to scale. Larger versions available at [Wahsega.com](http://Wahsega.com).

## Wall Installation Mounting Template



This image is to scale. Use to find accurate bolt placement.

## **Outdoor Pedestal IP Intercom**

WL-IC-BKMT-CAR-OV-R

WL-IC-BKMT-CAR-OVNB-R

WL-IC-BKMT-CAR-OV2B-R

WL-IC-BKMT-SIP-OV-R

WL-IC-BKMT-SIP-OVNB-R

WL-IC-BKMT-SIP-OV2B-R

Optional Weather Hood:

WL-BKMT-HOOD-OV