Connecting and Sealing the Intercom

Network and Grounding Installation

Route cable(s) inside of the Gang Box to create the service loop.

Network and Ground Cable are not provided

Ground Lug

Nut (to Ground Lug inside of the Gang Box

Proper Gang Box Sealing

Properly seal the intercom to prevent the accumulation of dust and moisture. Critical areas are shown in the image above: the conduit hole, all screw holes and an application of sealant around the perimeter.

Securing the Intercom

⚠ **GENERAL ALERT**

Caution

Equipment Hazard: Do not use an electric or power screwdriver to fasten the face plate and PCB assembly to the gang box. To prevent over-torque damage to the gasket, do not apply more than 10 inch-pounds force. Over-torquing will cause the gasket to tear, risk moisture intrusion, and effectively void the manufacturer's warranty.

Note: To mount the intercom, use methods compliant with local electrical codes.

Note: More installation and mounting information is illustrated in the Operations Guide.

Properly seal the intercom to prevent the accumulation of dust and moisture. Critical areas are shown in the image above: the conduit hole, all screw holes and an application of sealant around the perimeter.

2-Gang Box

Torx Key

Torx Screws
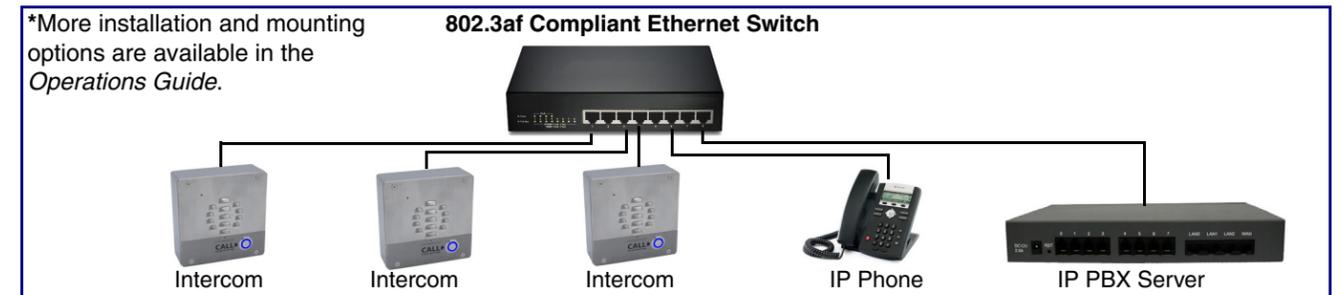
Faceplate & PCB Assembly

Contacting CyberData

Corporate Headquarters

CyberData Corporation
3 Justin Court
Monterey, CA 93940, USA

Phone: 831-373-2601
Fax: 831-373-4193
http://www.cyberdata.net/

Sales: (831) 373-2601 ext. 334
Support: 831-373-2601 ext. 333
Support Website: **http://support.cyberdata.net/**
RMA Department: (831) 373-2601 ext. 136
RMA Email: RMA@CyberData.net
RMA Status: **http://support.cyberdata.net/**
Warranty Information: **http://support.cyberdata.net/**

CyberData
The IP Endpoint Company

Installation Quick Reference
SIP Outdoor Intercom
SIP Compliant
011186

Parameter	Factory Default Setting
IP Addressing	DHCP
IP Address[a]	10.10.10.10
Web Access Username	admin
Web Access Password	admin
Subnet Mask[a]	255.0.0.0
Default Gateway[a]	10.0.0.1

a. Default if there is not a DHCP server present.
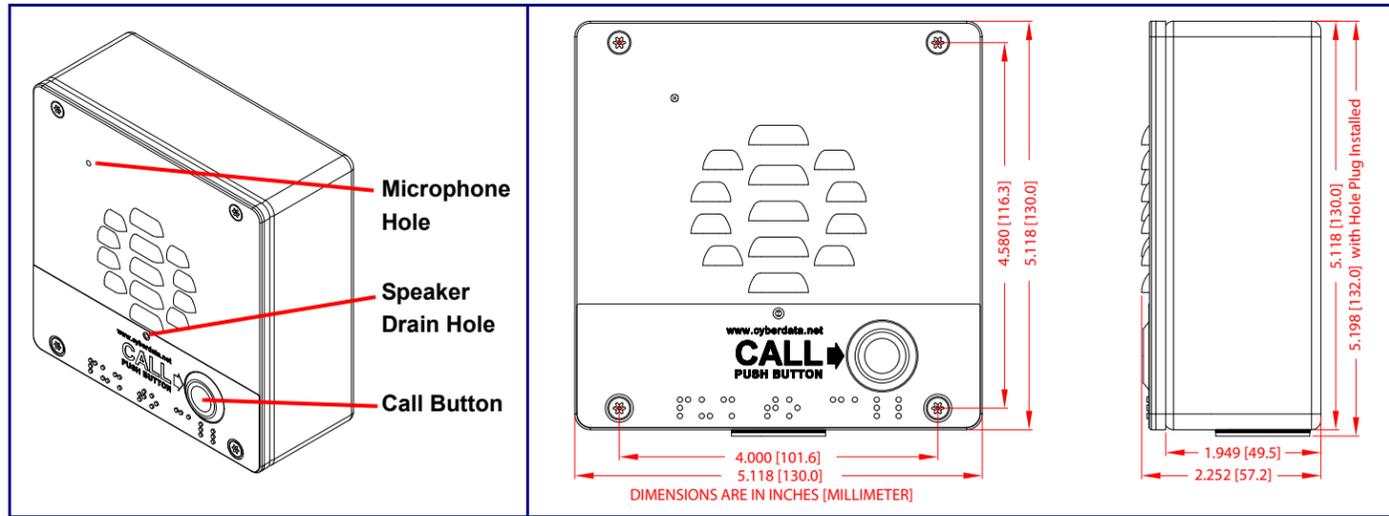
Typical System Installation

*More installation and mounting options are available in the *Operations Guide*.

802.3af Compliant Ethernet Switch

Intercom   Intercom   Intercom   IP Phone   IP PBX Server

Getting Started

- Download the *Operations Guide* PDF file, from the **Downloads** tab at the following webpage:

  https://www.cyberdata.net/products/011186

- Create a plan for the locations of your Intercoms.

- WARNING: This product should be installed by a licensed electrician according to all local electrical and building codes.

- WARNING: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

- WARNING: The PoE connector is intended for intra-building connections only and does not route to the outside plant.

- WARNING: This enclosure is not rated for any AC voltages!

- WARNING: Failure to properly seal intercom can compromise the IP rating. Should the product be exposed to water damage, it will be treated as an out of warranty scenario due to improper installation.
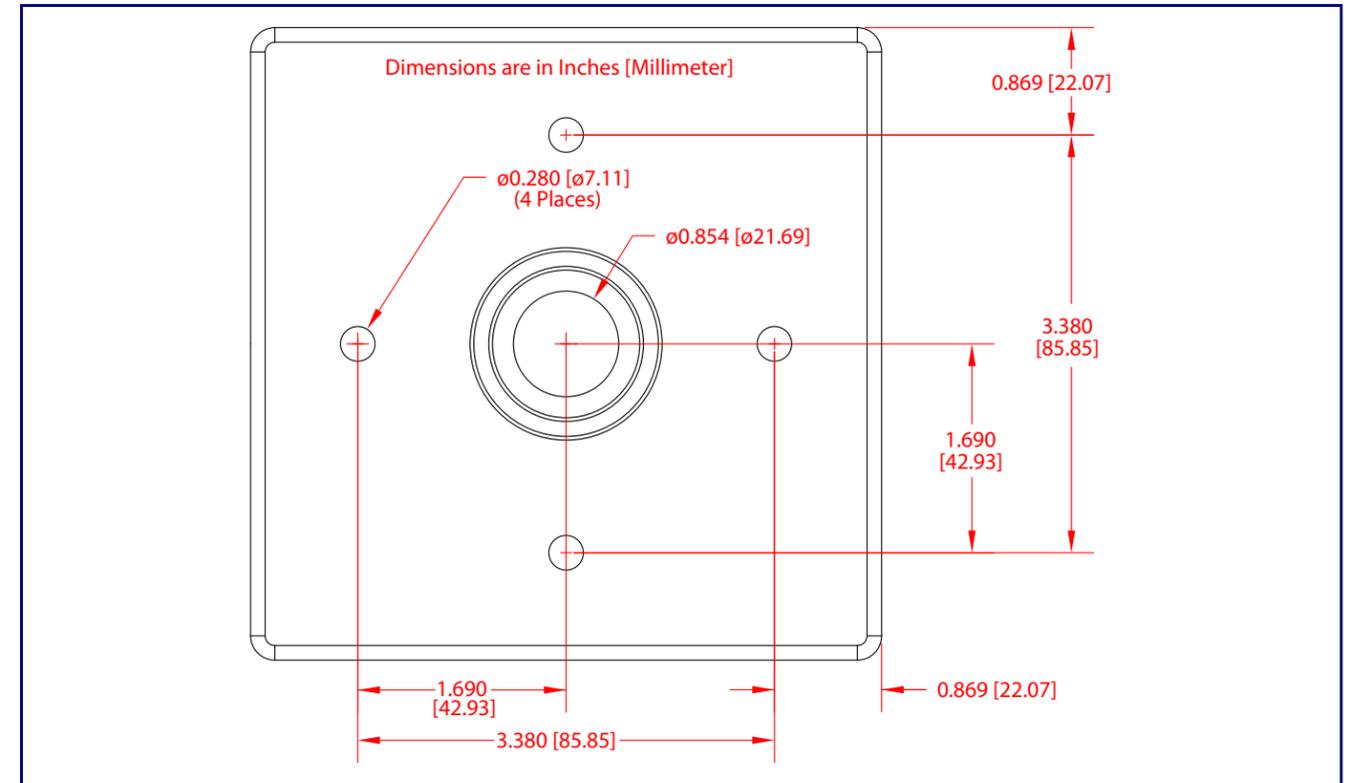
Parts

(1) Intercom Assembly	(1) T-15H Torx Key	Optional Accessories (for gooseneck mounting)	Optional Accessories
	(4) Security Torx Screw	(4) Carriage bolt nuts	(1) Spacer for half-inch set conduit connector
		(4) Carriage bolts	
		(4) Carriage bolt washers	(1) 531085* hole plug assembly

Features

- Microphone Hole
- Speaker Drain Hole
- Call Button

Dimensions (Front and Side View)

4.580 [116.3]
5.118 [130.0]

5.118 [130.0] with Hole Plug Installed
5.118 [130.0]
5.198 [132.0]

www.cyberdata.net
CALL PUSH BUTTON

4.000 [101.6]
5.118 [130.0]

1.949 [49.5]
2.252 [57.2]

DIMENSIONS ARE IN INCHES [MILLIMETER]

Terminal Block Connections

Alternate Power Input:
1 = +8 to +12VDC @ 1000mA Regulated Power Supply*
2 = Power Ground*


```
3      4
```

Relay Contact:
(1 A at 30 VDC for continuous loads)
3 = Relay Common
4 = Relay Normally Open Contact
5 = Sense Input
6 = Sense Ground
7 = Remote Switch "A"
8 = Remote Switch "B"

*Contacts 1 and 2 on the terminal block are only for powering the device from a non-PoE 12VDC power source as an alternative to Network PoE power. Use of these contacts for any other purpose will damage the device and void the product warranty.

Use a 3.17 mm (1/8-inch) flat blade screwdriver for the terminal block screws

Wire (IN)

Tin Leads Approx. 1/4" or 6mm

1

8

Terminal Block can accept 16 AWG wire

RTFM Button

RTFM button (SW1)

When the device is operational and linked to a network, you can use the Reset Test Function Management (RTFM) button (SW1 [see picture]) to announce the device's IP address or restore the device to the factory default settings.

To announce the device's current IP address:

- Press and release the RTFM button within a five second window.

Note   The device will use DHCP to obtain the new IP address (DHCP-assigned address or default to 10.10.10.10 if a DHCP server is not present).

To restore the device to factory default settings:

- Press and hold the RTFM button for longer than five seconds until you hear the device announce that it is restoring the factory default settings.

Dimensions (Rear View and Mounting Holes)

Dimensions are in Inches [Millimeter]

0.869 [22.07]

ø0.280 [ø7.11] (4 Places)

ø0.854 [ø21.69]

3.380 [85.85]

1.690 [42.93]

1.690 [42.93]

0.869 [22.07]

3.380 [85.85]

Side Conduit Mounting Restrictions

Thread Depth Not to Exceed 0.4 Inch [10mm]

Backbox

Hole Plug Assembly

Locknut (Part of the Compression Connector)

Rubber Seal on This Side

Sealing Locknut (Optional, 1 Provided)

Thread Depth

1/2" EMT Compression Connector

1/2" EMT Conduit

Installation Steps:
1) Remove the hole plug assembly from the side of Backbox then use it to cover the rear conduit hole.
2) Remove the locknut from the EMT compression connector, and install the provided sealing locknut if the compression connector's thread depth exceeds 0.4 inch or 10 millimeters.
3) Insert the compression connector with the sealing locknut through the side conduit hole, and then fasten the locknut inside the backbox. Make sure the threads do not protrude out more than 0.4 inch or 10 millimeters.
4) Insert the EMT conduit into the EMT compression connector and then tighten.

*More installation and mounting information is available in the *Operations Guide*.