Installation

Follow all appropriate electrical codes and use only approved electrical fittings for the installation.

1. Determine if power to operate the device will be provided via the Ethernet or if external power will be required. If external power is required, install an Auxiliary Power Supply or the equivalent. See the **Terminal Block Connections** section.

2. Choose a wall location that is free of obstructions and permits space for conduit runs. See the **Dimensions** section.

3. Ensure mounting can support 12 lbs. (5.5 kg) and any additional foreseeable load.

4. Ensure that none of the electrical connection circuits are live.

5. Open the door, remove the screws on the faceplate and remove the faceplate.

Note Be careful when removing the faceplate. The circuit board is on the faceplate.

6. Disconnect the faceplate harness.

7. Use the template provided or the enclosure itself to locate and drill holes for mounting screws.

8. Bring the Ethernet cable into the enclosure through the conduit entrance and connect to the RJ45 socket. If a conduit hub is used, ensure that it is grounded to the ground stud. See the **Wiring** section of the Operations Guide.

9. Connect external power if provided. See the **Terminal Block Connections** section.

10. Connect the on-board relay if utilized. See the Operations Guide for details.

11. Reconnect the faceplate harness.

12. Ensure all connections are secure.

13. Determine that the device is properly connected by pressing the **RESET** switch to announce the IP address (see the **Reset Test Function Management (RESET) Switch** section). LEDs on the RJ45 connector indicate network connection and activity. See the Operations Guide for LED details.

14. Replace the faceplate.

15. Set up and configure if changes are required to the default settings.

16. Test the unit by calling to and from another device, preferably a VoIP device. See the Operations Guide for LED details.

Contacting CyberData

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CyberData
The IP Endpoint Company

Installation Quick Reference

SIP Vandal Resistant Keypad Phone
SIP Compliant

011461

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*.

Generic PoE Switch

SIP Weatherproof Keypad Phone   IP PBX Server
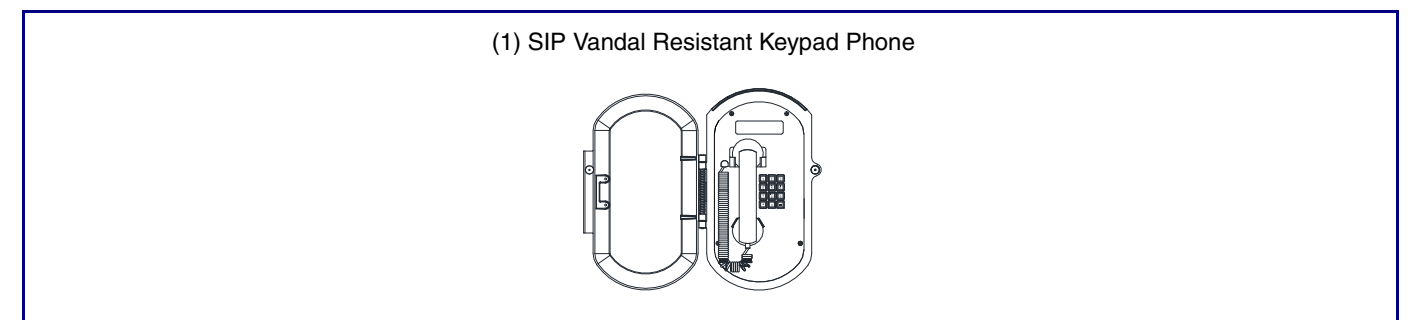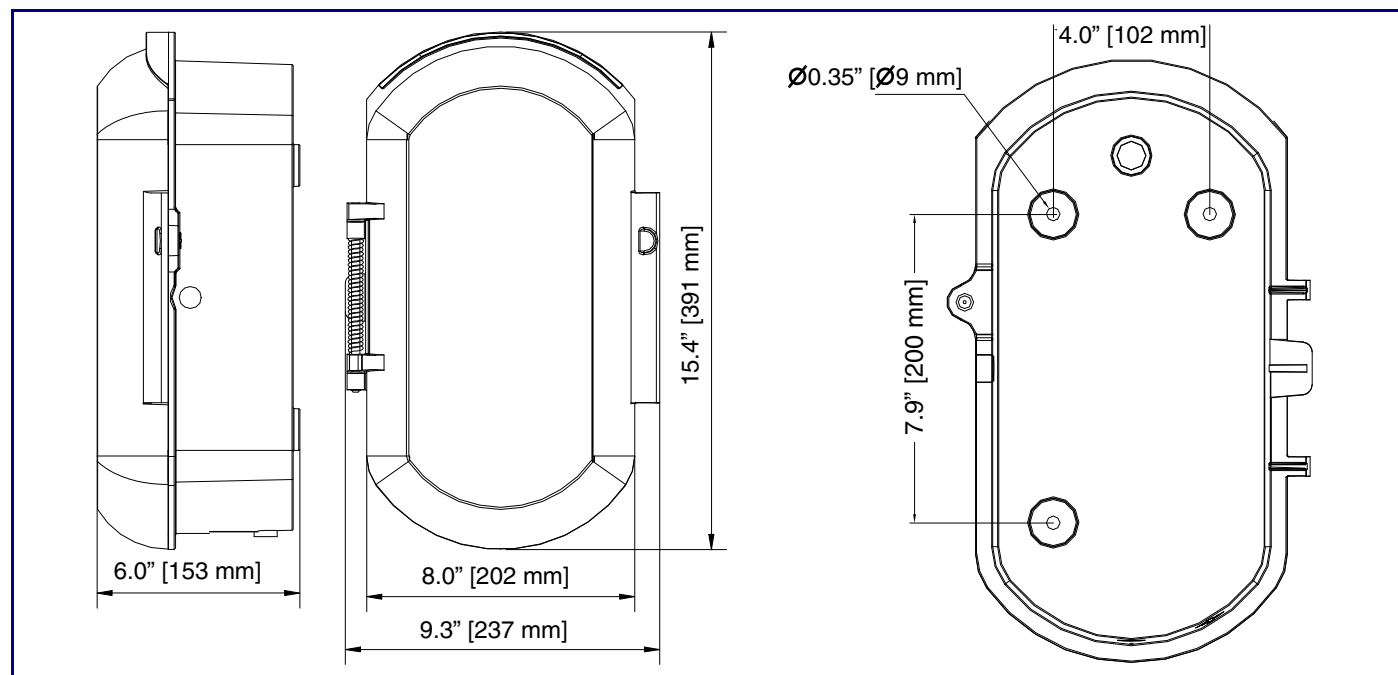
Getting Started

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

  http://www.cyberdata.net/voip/011461/

- Create a plan for the locations of your SIP Weatherproof Keypad Phones.

- 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!

Parts

(1) SIP Vandal Resistant Keypad Phone

Dimensions

Ø0.35" [Ø9 mm]

4.0" [102 mm]

15.4" [391 mm]

7.9" [200 mm]

6.0" [153 mm]

8.0" [202 mm]

9.3" [237 mm]

Terminal Block Connections

Alternate Power Input:
1 = Normally Open Common
2 = Normally Open Contact
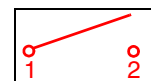
Relay Contact:
(0.5 A at 30 VDC for continuous loads)
3 = +24 VDC @ 1000mA
4 = Power Ground
5 = Ringer +
6 = Ringer -

*Contacts 3 and 4 on the terminal block are only for powering the device from a non-PoE +24 VDC 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.
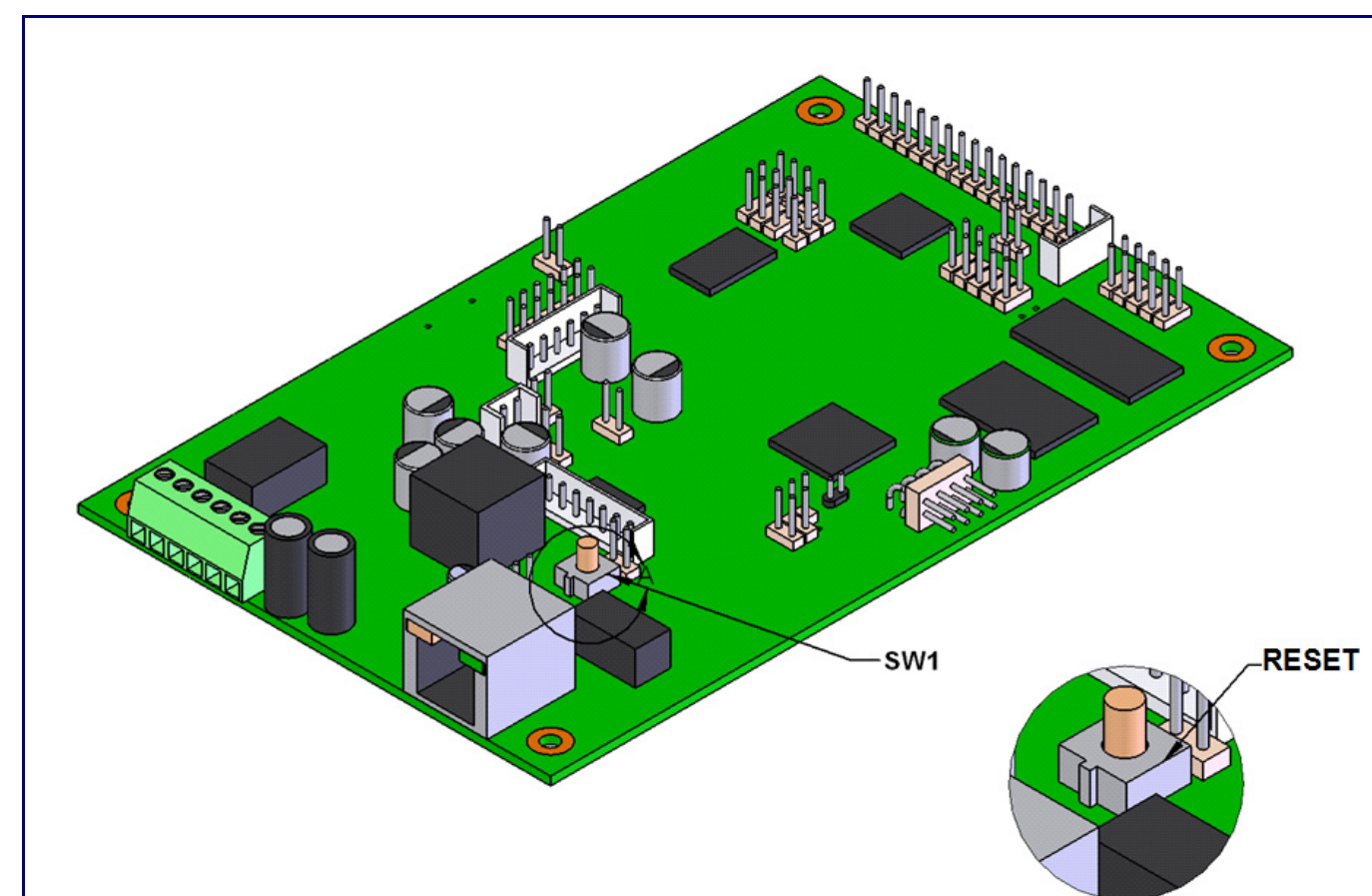
WIRE IN
Can accept wire range from 16 AWG to 24 AWG
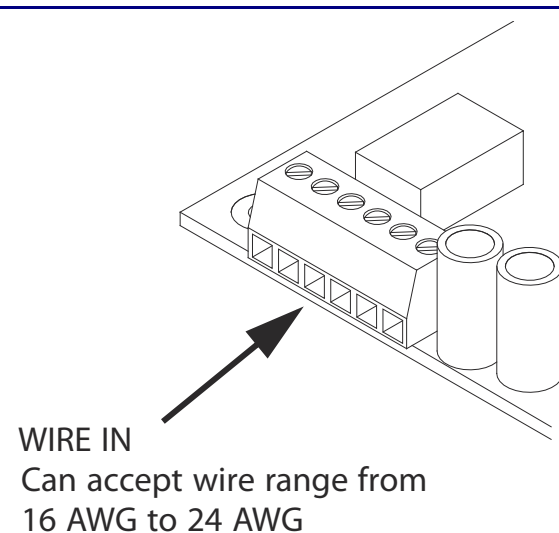
Operation

- The user will hear a dial tone when the handset is lifted.
- Adjust the receiver volume with the switch in the handset.

Note The Operation details are explained in the Operations Guide.

Reset Test Function Management (RESET) Switch

When the device is operational and linked to the network, use the Reset Test Function Management (**RESET**) switch on the board (see picture) to announce the device's IP address and test that the audio is working. During the IP address announcement, you will hear the IP address of your device through the handset receiver.

To announce the device's current IP address:

1. Press and hold for two seconds.

2. Release the **RESET** switch (see **SW1** in the figure above).

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).

Note Pressing and holding the **RESET** switch for longer than five seconds will restore the device to the factory default settings.

To restore the device to factory default settings:

When troubleshooting configuration problems, it is sometimes convenient to restore the device to a known state.

Note Each device is delivered with factory set default values.

To restore the factory default settings:

1. Press and hold the **RESET** switch (see **SW1** in the figure above) until the device announces it is restoring to factory defaults (approximately 5 seconds).

2. Release the **RESET** switch.

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).

Ø0.35 [Ø9]
(4 Places)
Fits 5/16" or 8mm
Diameter Screw or
Stud Anchors

Dimensions are in Inches [Millimeter]

Printing Instruction:
1) Select Paper Size to: 11 [279] x 17 [432]
2) Orientation to: Portrait
3) Page Scaling to: NONE

Conduit Access Hole
Ø0.98 [Ø25]

6.8 [173]

4.03 [102.4]

2.9600 [75.2]

7.9 [201]

12.4 [315]

13.9 [353]