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 or wire. See the **Dimensions** section.

3. Ensure mounting can support 4 lbs (1.82 kg) and any additional foreseeable load.

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

5. Remove the eight (8) cover screws from the front of the unit and carefully remove the front cover assembly.

Note The handset and all electronics are attached to the front plate. The front cover may be separated from the back box by disconnecting the harness plugs.

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

6. Disconnect the faceplate harness.

7. Fit an appropriate cable gland, grommet or conduit connector to the 7/8-inch opening in the bottom of the enclosure.

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

9. For convenience, while connecting wiring, the faceplate may be temporarily attached to either side of the enclosure with two screws.

10. 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.

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

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

13. Reconnect the faceplate harness.

14. Ensure all connections are secure.

15. 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.

16. Replace the faceplate.

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

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

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.

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 Armored Steel Ringdown Phone

SIP Compliant

011462

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*.
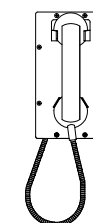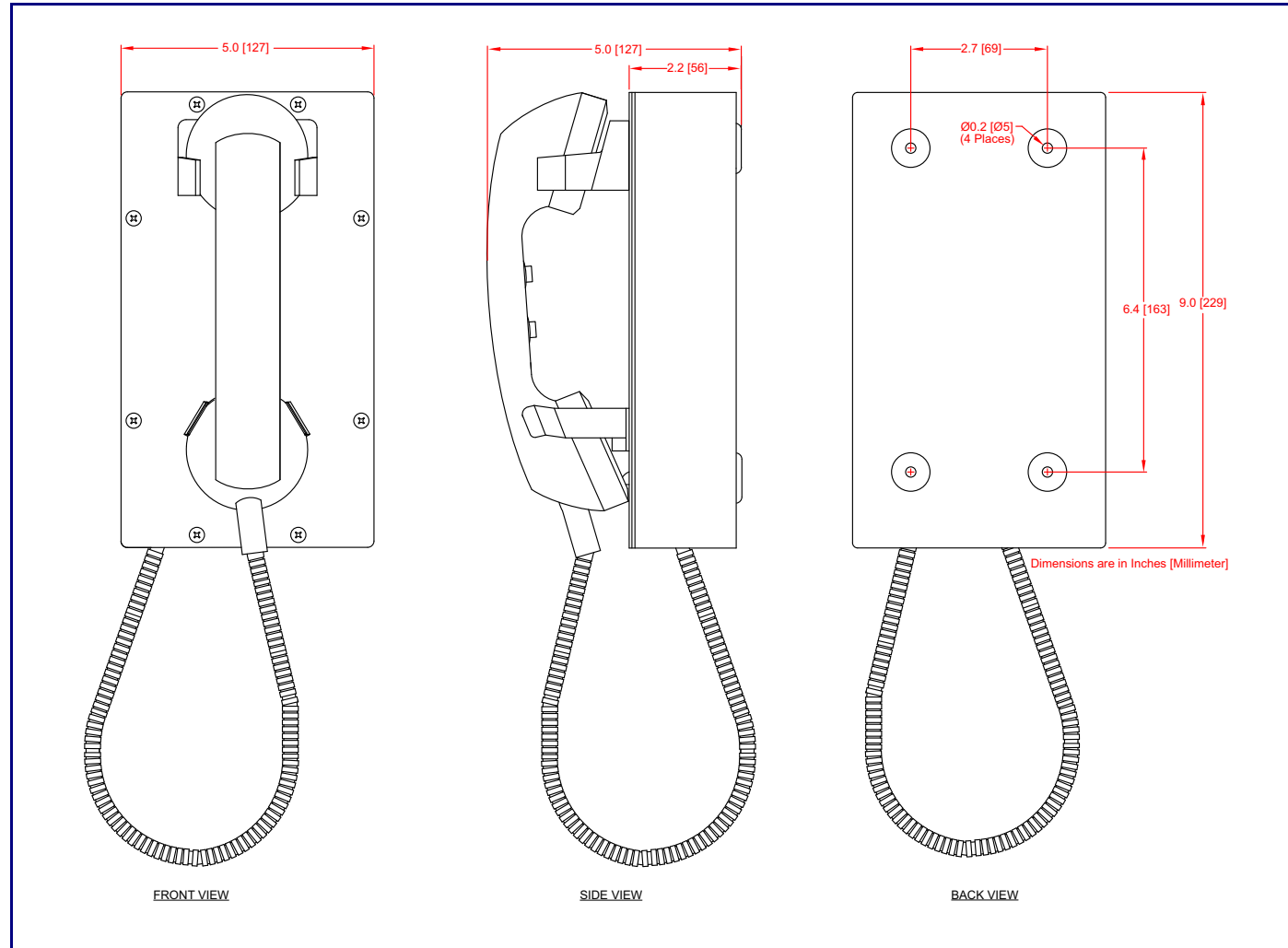

Generic PoE Switch

SIP Armored Steel Ringdown Phone   IP Phone   IP PBX Server
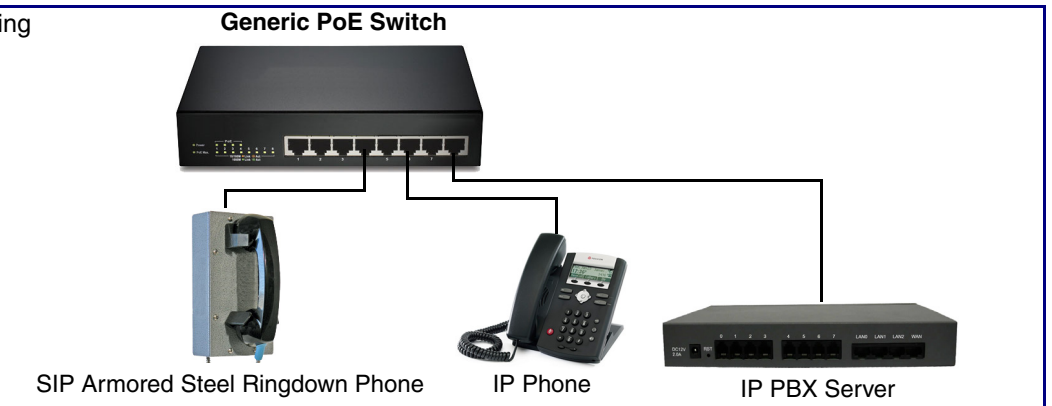
Getting Started

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

  http://www.cyberdata.net/voip/011462/

- 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!
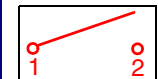
Parts

(1) SIP Armored Steel Ringdown Phone

Dimensions

FRONT VIEW   SIDE VIEW   BACK VIEW

5.0 [127]   5.0 [127] 2.2 [56] 2.7 [69]

Ø0.2 [Ø5]
(4 Places)

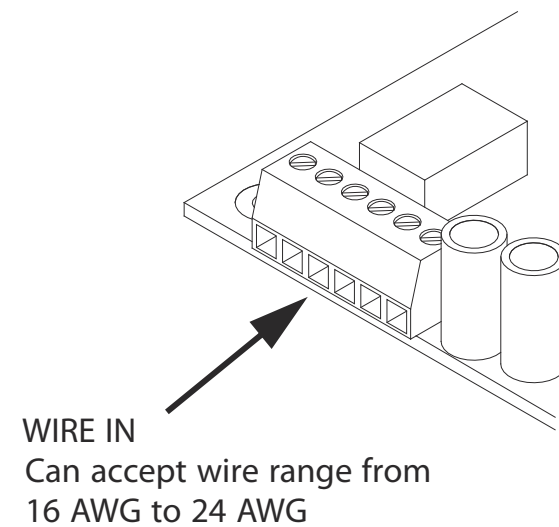6.4 [163] 9.0 [229]

Dimensions are in Inches [Millimeter]

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

Reset Test Function Management (RESET) Switch

SW1
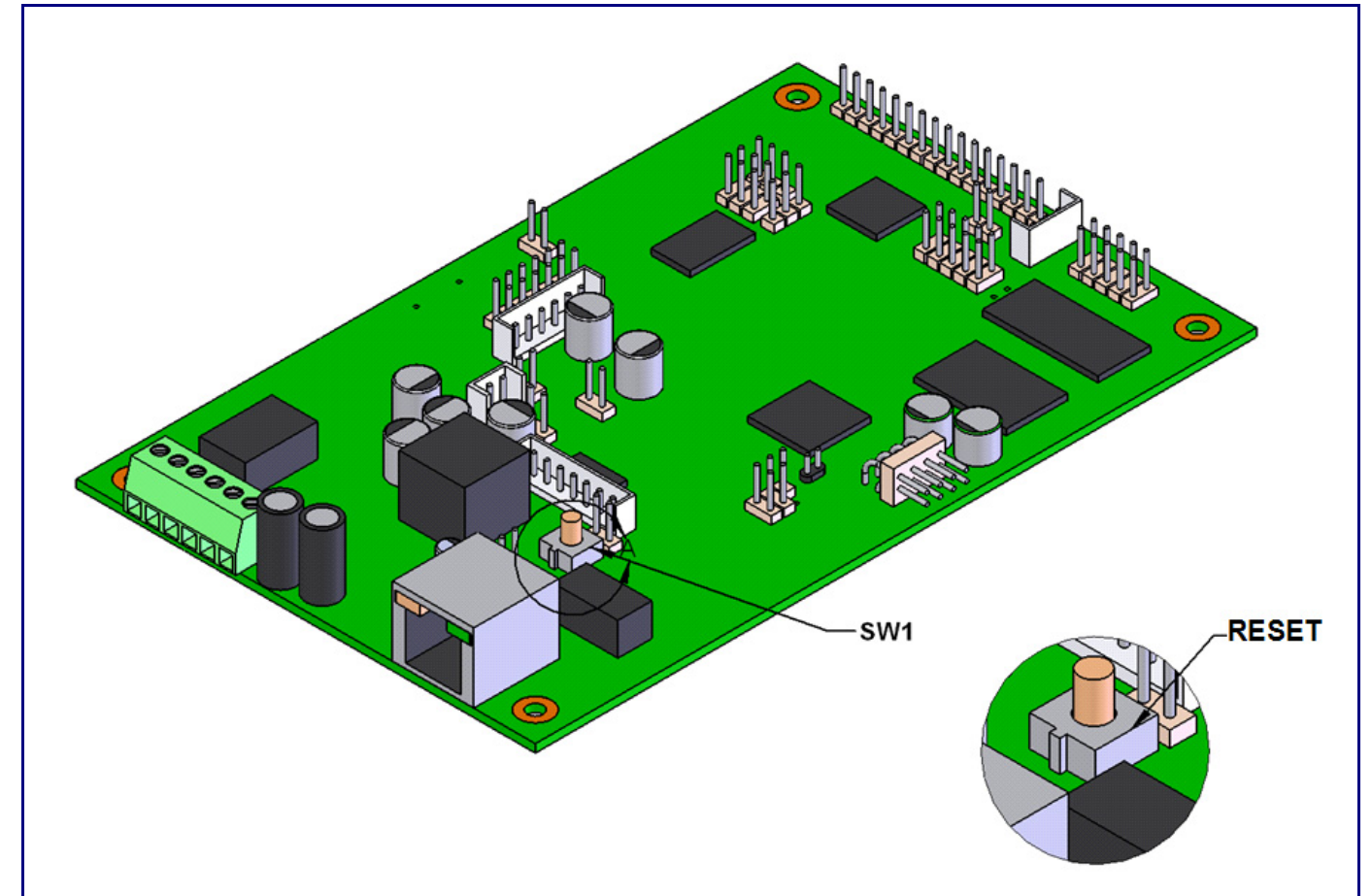
RESET

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).

Mounting

5.0 [127]

2.72 [69]

Ø0.2 [Ø5]
(4 Places)

6.43 [163]

9.0 [229]

Printing Instruction:
1) Select Paper Size to: 8.5 [216] x 11 [279]
2) Orientation to: Portrait
3) Page Scaling to: NONE