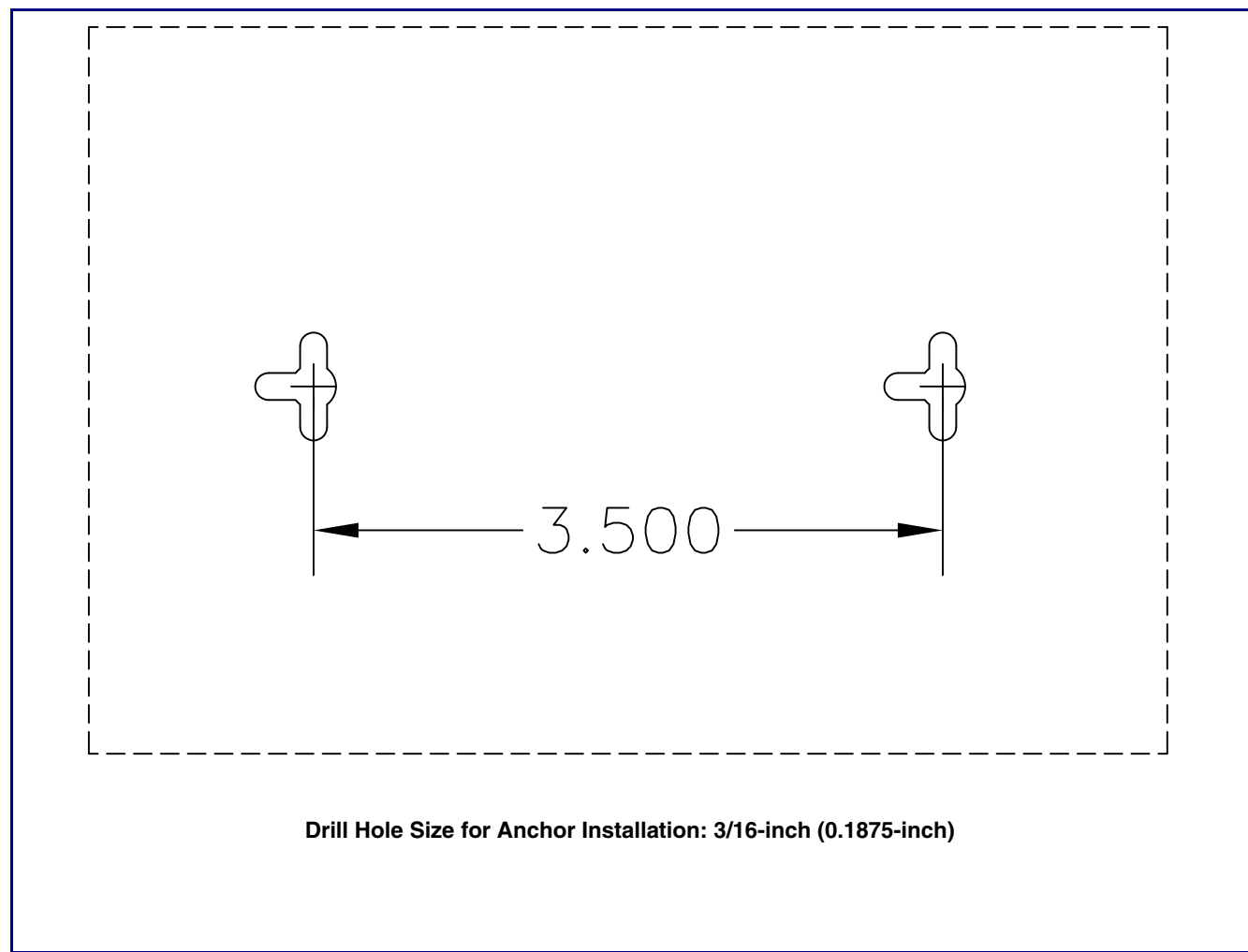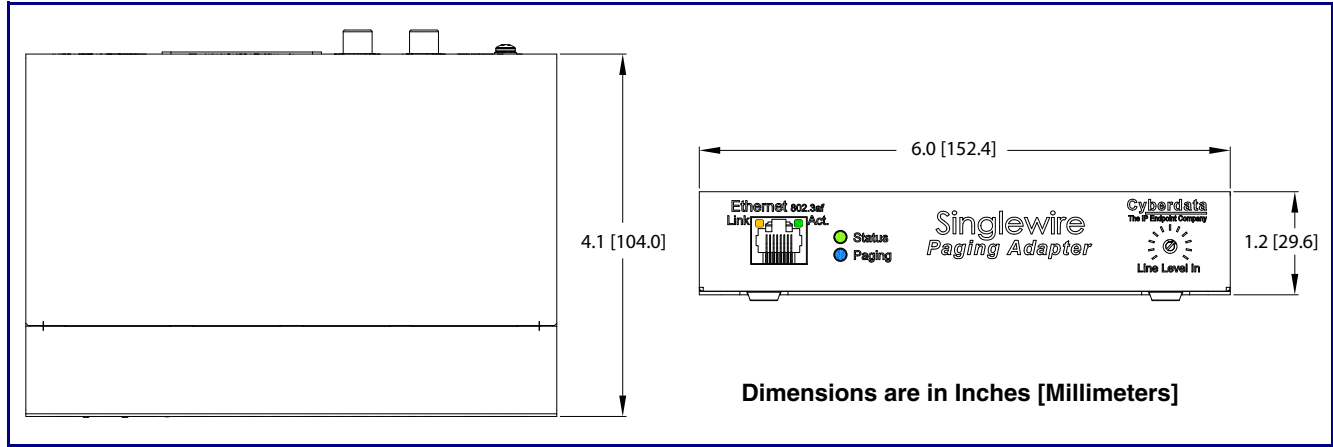## Mounting

You have the option to use the following mounting template to mark, and then drill two 3/16-inch (0.1875-inch) holes for the mounting anchors.

To install and mount the Singlewire/SIP Paging Adapter:

1. Install the mounting anchors in the holes, and position the Singlewire/SIP Paging Adapter mounting holes over the anchors.

3.500

Drill Hole Size for Anchor Installation: 3/16-inch (0.1875-inch)

Dimensions

6.0 [152.4]

4.1 [104.0]

1.2 [29.6]

Dimensions are in Inches [Millimeters]

CyberData
The IP Endpoint Company

Installation Quick Reference
Singlewire/SIP Paging Adapter
011280
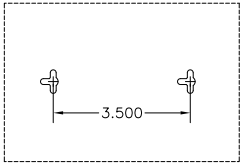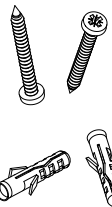
Parameter	Factory Default Setting
IP Addressing	DHCP
IP Address[a]	10.10.10.10
Web Access Username	admin
Web Access Password	admin
Subnet Mask[a]	255.0.0.0
Default Gateway[a]	10.0.0.1

a. Default if there is not a DHCP server present.

Getting Started

- Be sure that you have received all the parts described in the Parts List section.
- Download the *Operations Guide* at the **Downloads** page at following website: **http://www.cyberdata.net/voip/011280/**
- 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 List

(1) Singlewire/SIP Paging	(1) Mounting Template (see the last page)	(1) Mounting Kit
	3.500	(2) #6 x1.25-inch, PanHead, Phillips Sheet Metal Screw (2) Plastic Anchors

## Contacting CyberData

Corporate Headquarters

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RMA Email: RMA@CyberData.net
RMA Status: **http://support.cyberdata.net/**
Warranty Information: **http://support.cyberdata.net/**

Verifying Operations and Settings

When you plug in the Ethernet cable or power supply:

- The **GREEN**/**BLUE Status** LED and the **GREEN Paging** LED both blink at a rate of 10 times per second during the initial network setup.
- The round, **GREEN**/**BLUE Status** LED on the front of the Singlewire/SIP Paging Adapter comes on indicating that the power is on. Once the device has been initialized, this LED blinks at one second intervals.
- The square, **GREEN**/**AMBER Link** LED above the Ethernet port indicates that the network connection has been established. The Link LED changes color to confirm the auto-negotiated connection speed:
  - The Link LED is **GREEN** at 10 Mbps.
  - The Link LED is **AMBER** at 100 Mbps.
- The **GREEN Paging** LED comes on after the device is booted and initialized. This LED blinks when a page is in progress. You can disable **Beep on Initialization** on the **Device Configuration** page.

Link
(**GREEN**/**AMBER** LED)

Activity
GREEN LED)

Status
(**GREEN**/**BLUE** LED)
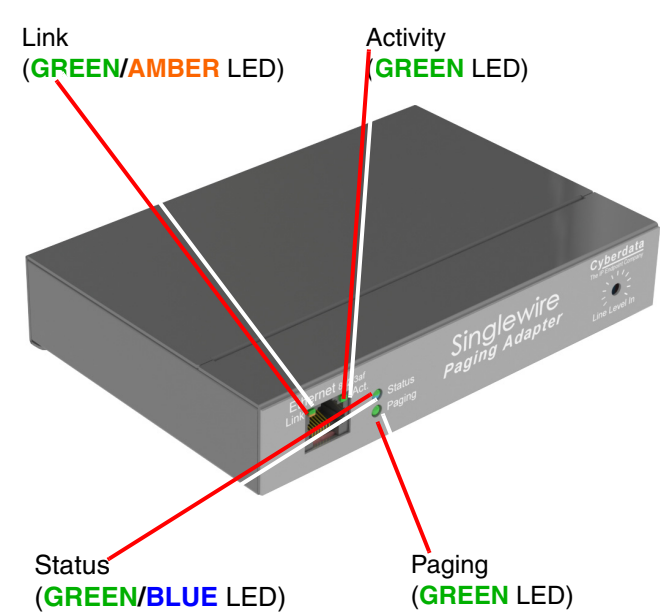
Paging
(**GREEN** LED)

Setting Up the Singlewire/SIP Paging Adapter

PoE

To set up the device, connect the device to your network:

Poe

- For PoE, plug one end of an 802.3af Ethernet cable into the Singlewire/SIP Paging Adapter Ethernet port. Plug the other end of the Ethernet cable into your network. See the figure on the left.

Non PoE with 48 VDC Power Supply

Non-Poe

- For Non-PoE, connect the Singlewire/SIP Paging Adapter to a 48VDC power supply. See the figure on the left.
- **Note**: Do not use both PoE and external power.

48VDC

Chassis Ground

Chassis Ground

- If required, connect the earth grounding wire to the Chassis Ground. See the figure on the left.

Chassis ground

Connections

Page Port Output Connections	
Pin	**Description**
1	Fault Sense Input (Common)
2	Fault Sense Input (Sense)
3	Positive 600-Ohm Audio Output[a]
4	Negative 600-Ohm Audio Output[a]
5	Audio Ground Reference
6	Relay Contact - Common[b]
7	Relay Contact - Normally Open[b]

a. The 600-Ohm audio output of the page port is also suited for interfaces with lower input impedances.
b. 1 Amp at 30 VDC for continuous loads

RCA Line In   RCA Line Out   Page Port Output Power

48VDC

Pin 1   Pin2   Pin 3   Pin 4   Pin 5   Pin 6   Pin 7

RTFM Switch

To announce the IP address:	To restore the factory default settings:
1. Briefly press and then quickly release the RTFM switch. **Note**: The IP address announcement can be heard if a speaker or amplified speaker is connected to the unit.	**1.** Press and hold the **RTFM** switch while all the indicator lights turn off. **2.** Continue to press the switch until after the indicator lights turn back on, and then release the switch. **Note**: The "Restoring Defaults" announcement can be heard if a speaker or amplified speaker is connected to the unit. **3.** All Singlewire/SIP Paging Adapter settings are restored to the factory defaults, and the unit reboots.

RTFM

RTFM Switch

Typical Configuration

Music Source

RCA HiZ Lineout
10k Ohm 2v PP

IP to Analog Paging

Analog
Horns/Speakers

Line In (RCA, 8K)

Analog Amplifier

600 Ohm Page Port Out

Analog
Horns/Speakers

Page Start Relay Output

Fault Sense Input

Analog Amplifier

PoE Network Cable

SIP/Singlewire Paging Adapter