



Beacon Installation Guide

MODEL NUMBER: BE1000

INSTALLATION: This product MUST be installed by a Proxense authorized professional installer.

FCC STATEMENTS:

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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Revision Log:

This log identifies those portions of this document, which have been revised since the initial release and the date of each revision.

Date	Version	Revisions
08/16/10	00	Initial Release

Introduction

This *Installation Guide* is written for a Proxense authorized installation professional. Only a Proxense authorized installation professional may install this product.

There are four steps to the installation:

- Before you start
- Installing the external antenna(s)
- Installing the Beacon
- Provisioning the Beacon

Step 1: Before you start

To ensure that you have the most recent version of this guide, be sure to check our FTP site before you start the installation.

Package Contents

Your package includes the following items:

- This Guide
- One Beacon
- One Mounting Kit

Your package maybe part of a master pack where multiple Beacons and one copy of this guide will be provided.

Minimum Requirements

- ProxNet installation site survey which lists the following:
 - a. The available 802.3AF network port number / cable location
 - b. The installation location of the Beacon
 - c. The installation location of the external TX antenna
 - d. If required the installation location of the external RX antenna
- TX antenna (must be an authorized Proxense antenna listed in Appendix A of this guide)
- RX antenna (if required)

Step 2: Installing the external antenna(s)

Mounting the TX Antenna (ANT B)

1. Find the part number and mounting location for the TX antenna from the ProxNet installation survey. The antenna will be one of the authorized antennas listed in Appendix A of this guide.
2. Using this information follow the mounting instructions provided with the antenna to mount the antenna at the listed survey location.

Mounting the RX Antenna (ANT A)

1. Find the part number and mounting location for the RX antenna from the ProxNet installation survey. **If none is listed continue on to Step 3; Installing the Beacon.**
2. Using this information follow the mounting instructions provided with the antenna to mount the antenna at the listed survey location.

Step 3: Installing the Beacon

Installing the mounting bracket

1. Find the Beacon mounting location, bracket type, mounting angle from the ProxNet installation survey.
2. Using this information install the mounting bracket.

Connecting the Beacon to the 802.3AF network

Connect the 802.3AF network cable to the Beacon's RJ45 connector.

Connecting the external antenna(s)

1. Connect the TX antenna cable to the Beacon's ANT B SMA connector.
2. If configured connect the RX antenna cable to the Beacon's ANT A SMA connector.

Mounting the Beacon

Following the mounting bracket instructions attach the Beacon to the mounting bracket.

Step 4: Provisioning the Beacon

You have completed the physical installation. Please contact the system administrator who must now provision the Beacon.

If you need technical assistance

Telephone: 561.798.6166

Email: support@proxense.com

Appendix A

The following table lists authorized TX antennas that may be connected to ANT B of the Beacon.

Manufacturer	Part Number	Gain (dBi)	Directivity	Polarization
CushCraft	S2403BH	5.15	Omni	Vertical
L-Com	HG2403CU	3.0	Omni	Vertical