

RBS

USERS MANUAL

Revision's History

Originator	Approved	Rev	Date	Comments
Eli. A	E. Gavrilovich	01	08.03.2009	Released
Eli. A	E. Gavrilovich	02	09.20.2009	Reg. note added, Par.3 & 6 updated

Table of Contents

1	Preface.....	2
2	Introduction	2
3	Installation.....	2
4	Initialization	2
5	Intended Use.....	2
6	Statement according to FCC part 15.21	3

Proprietary Information

This document contains proprietary information which is protected by copyright. All rights reserved. Reproduction, adaptation, or translation without prior written permission is prohibited, except as allowed under the copyright laws.

Sensiotec Inc.
1170 Peachtree Street, Suite 1200
Atlanta, GA 30309 USA

1 Preface



The RBS Users Manual is for technical personnel involving in installation and initialization process of the RBS, as a part of the Preventa family systems.

2 Introduction

Repeater Base Station (RBS) is the integrated part of the infrastructure of the PREVENTA family systems. RBS units are installed throughout the facility (typically at the ceiling level in hallways) and are designed to relay the information. When installed in facility, RBS units form a ZigBee mesh network which is scalable, redundant and self-healing. Each RBS acts as network node with a repeater feature. In case of a RBS cannot link with the computer station, the nearby RBS will rely the information of the unlinked RBS to the other RBS (mesh network redundancy feature) until the data is received. RBS units are supervised by the system so the failure of the RBS unit is reported and documented, while the system remains fully operational.

3 Installation



The necessary number of RBS units and the locations where they should be installed are determined during the Initial Facility Assessment (IFA). Please consult the IFA Report.

The RBS is installed up on the wall near the ceiling, by using mounting screws supplied with the installation package. Attach the DC plug of the DC power adapter (supplied) to the RBS DC jack and insert the AC plug into the nearest AC wall receptacle. Alternatively, the RBS may be mounted above the suspended ceiling.



The RBS installation should be performed by trained personnel.

4 Initialization

When the RBS is powered up, the indicator LED will be flashing red during the first 30 seconds, until the communication with the computer station is established. After 30 seconds, the indicator LED will turn solid green. For any other scenario the installation technician should use the Preventa Installation and Maintenance Guide (or call the Sensiotec's Client Service Center) for the troubleshooting guide.

5 Intended Use

The RBS is intended to be part of the infrastructure of the Preventa Care, Preventa Vital and other Preventa family systems.



The RBS should be operated only in environmental conditions specified in PREVENTA™ Vital™ technical specification. The operating temperature should not exceed -10°C to +50°C.

6 Statement according to FCC part 15.21

The FCC certification is only valid for RBS devices equipped with the RP-SMA ANT-915-04A antenna, which is included with the RBS. Changes or modifications to this equipment not expressly approved by Sensiotec Inc. will void the user's authority to operate this equipment.

In the event that these conditions are not met, the FCC certification will no longer be valid and the FCC ID shell not be used on the final product. In these circumstances, the systems integrator or end-user will be responsible for re-evaluating the end device and obtaining the appropriate FCC certification.