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Client: Sensys Traffic AB  
Model: RS242  
Standard: FCC 15.245  
FCC ID: PBVRS242  
Report #: 2013054

**Appendix H: Manual**

Please refer to the following pages.

# SENSYS

## Manual

for

## Product RS242

FCC ID: PBVRS242



Document No. 17-0386

Revision: A

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## REVISION SUMMARY

Updates will be issued when needed and noted on this page in the following issues of this document.

<u>Rev</u>	<u>Date</u>	<u>Description</u>
A	2012-06-03	First edition.

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## 2 Scope

### 2.1 Identification

Product Nr.      Name  
10-0599H        RS242 Multi-Tracking radar, FCC ID: **PBVR5242**

### 2.2 Introduction

This document describes the SENSYS Traffic 24 GHz radar sensor RS242. This document is aimed at trained technicians already familiar with SENSYS Traffic AB products and authorised to install, operate and service SENSYS products.

## 3 Referenced Documents


No.	Identification	Issue	Name or Description
-----	----------------	-------	---------------------

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## 4 Definitions, Acronyms and Abbreviations

Definition, Acronym or Abbreviation	Explanation
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## 5 Product information

The RS242 is a 24 GHz Multi-Target Tracking Doppler radar sensor used for speed and red light enforcement. The RS242 is the central part of a SENSYS Traffic monitoring and enforcement system. The RS242 can be used within a cabinet or mounted on pole depending on the type of application. The radar is used on the public road infrastructure and is non intrusive device.

### 5.1 FCC

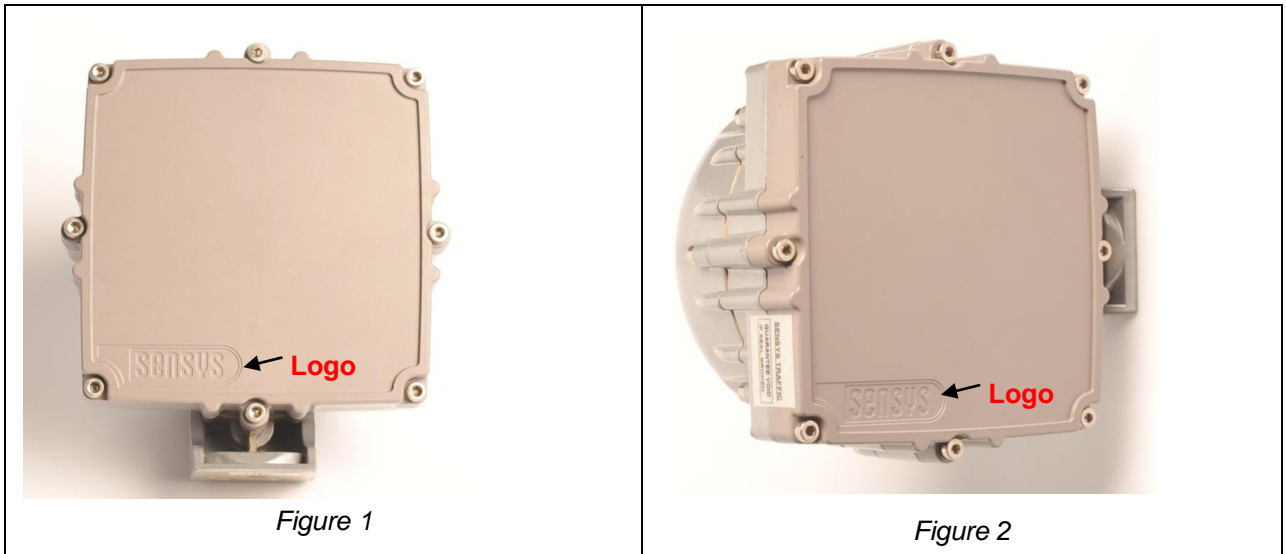
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:


1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by SENSYS Traffic AB could void the user's authority to operate the equipment.

### 5.2 Identification

The radar is delivered with the mechanical foot on 4 different locations depending on the installation type. The radar may have different position of the logo respective to the mechanical foot as shown below.



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### 5.2.1 Labels

The product labels are located under the SENSYS logo on the metal section of the front part.

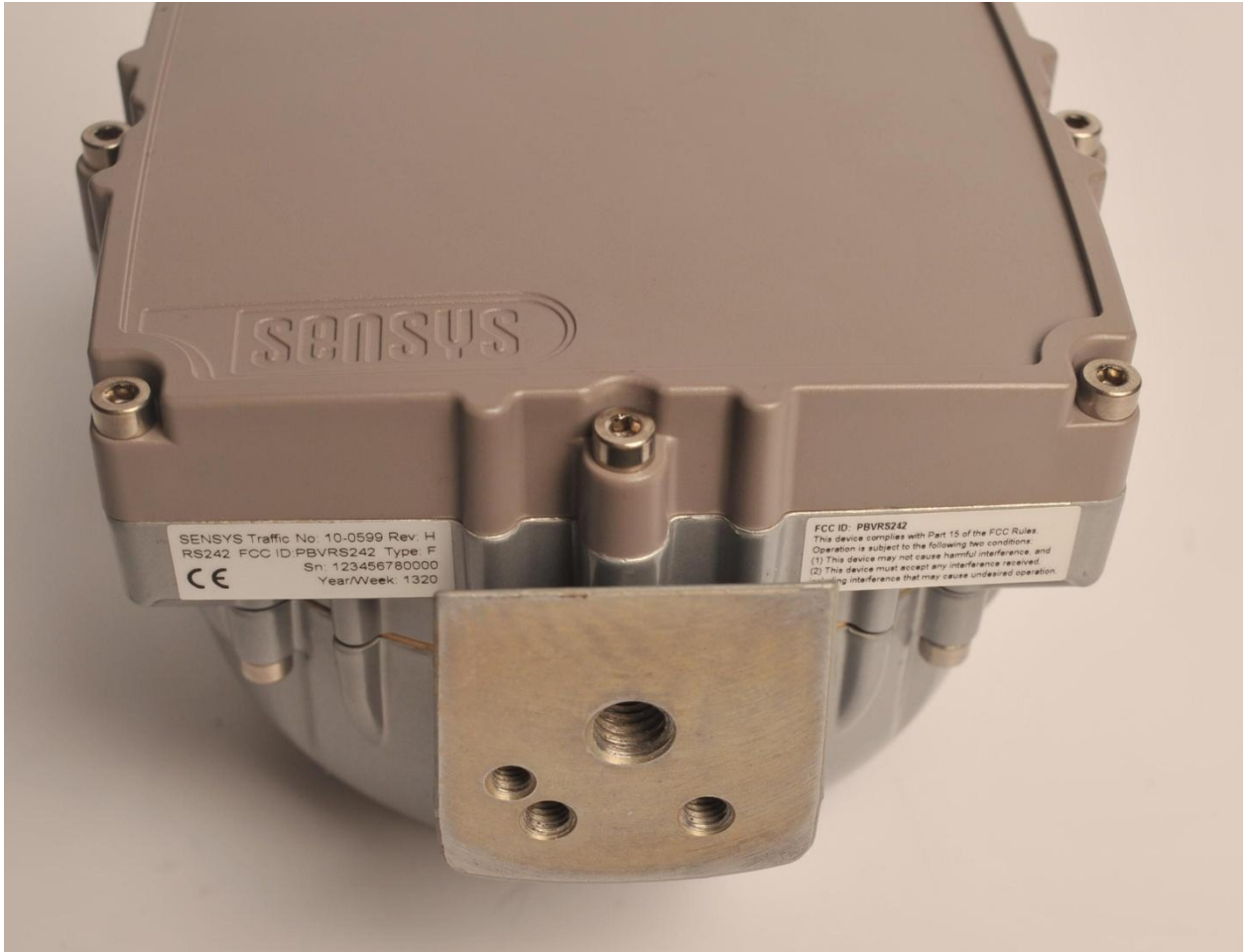



Figure 3

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**5.2.2 Seals**

The warranty seals are placed in critical locations. Figure 4 and 5 are protecting the front cover to the radar.

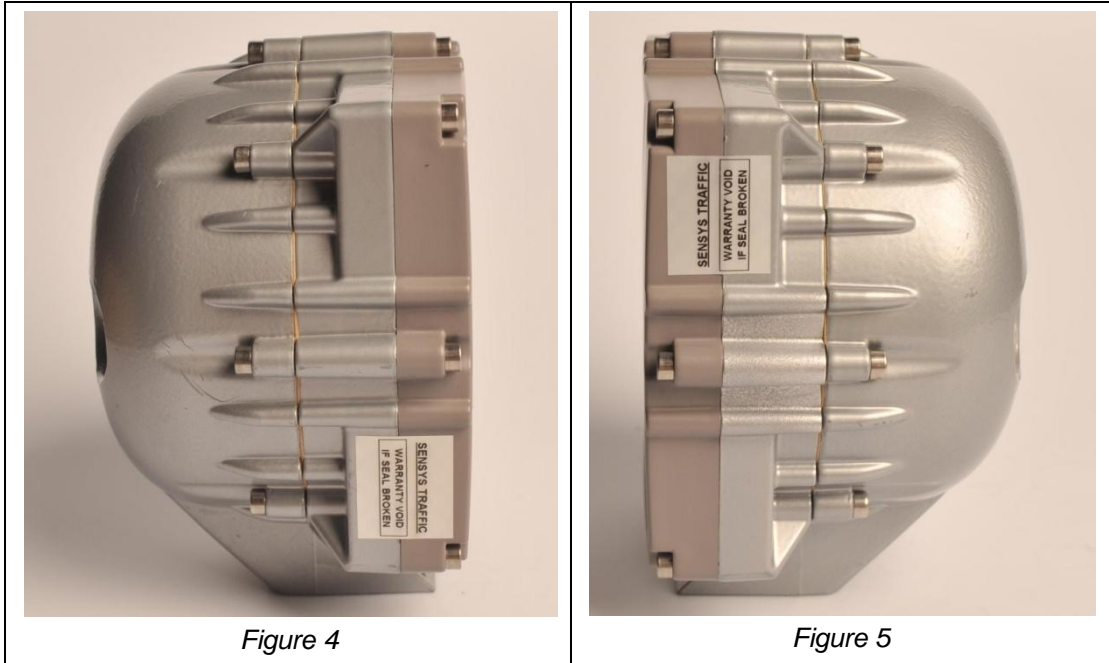


Figure 4

Figure 5

Figure 6 is showing the seal protecting the screw which must be unscrewed to open the RS242 from the back.



Figure 6

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## 6 Characteristics

Model	RS242
Transmitting Frequency	24084.48 – 24161.28 MHz
Input Voltage	12 VDC (Limit min-max 10.6 – 16 VDC)
Power Consumption	7.5W
Enclosure	IP67
Weight	1.5 kg
Lenght, Width, Height	97 mm x 134 mm x 150 mm



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