

Rhein Tech Laboratories, Inc.
360 Herndon Parkway
Suite 1400
Herndon, VA 20170
<http://www.rheintech.com>

Client: Fleetwood Group, Inc.
Model: V240S
Standards: FCC 15.249/IC RSS-210
FCC/IC ID: FBRV240S/1859A-V240S
Report #: 2010235

Appendix L: Manual

Please refer to the following pages.

USER MANUAL

V240S Module



©Copyright 2007 Fleetwood Group, Inc., Electronics Division. All rights reserved. Licensed software products are owned by Fleetwood Group, Inc. or its suppliers and are protected by United States copyright laws and international treaty provisions.

Fleetwood Group, Inc. products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specifications and pricing are subject to change without notice.

Printed in the U.S.A.

Fleetwood Group, Inc.
Electronics Division
11832 James St.
Holland, Michigan 49424

www.fleetwoodgroup.com

Sales: 1-800-257-6390
Technical Service: 1-888-GO-REPLY (467-3759)

Reply is a registered trademark of Fleetwood Group, Inc.
Other trademarks contained herein are the property of their respective holders.

Revision History:

| Rev | Date | Description |
|------------|-----------------|--------------------|
| A | 2/3/2011 | Original |
| | | |



Table of Contents

| | |
|------------------------------------|----------|
| 1.0 V240S MODULE | 4 |
| 1.1 DESCRIPTION | 4 |
| 1.2 BATTERY REPLACEMENT | 4 |
| 1.3 FCC AND IC | 4 |
| 1.4 STANDARDS AND GUIDELINES | 4 |
| 1.5 FCC/IC COMPLIANCE | 5 |



1.0 V240S Module

1.1 Description

The V240S is a low power real time locating system sensor. The V240S module is used to identify the location of an individual or asset location. It communicates at 2.4GHz, to a badge module or a link module, and uses an IR receiver that receives data from a badge to determine its location.

The overall operation of the V240S module is controlled by a microcontroller. This microcontroller is powered from an internally regulated supply, and uses a 16 MHz reference. The V240S module can be powered from batteries, approximately 4.5V, or low voltage DC. The microcontroller handles control of the RF and IR communications, indicator LEDs, external I/O, and external serial communications.

RF communications use a 2.4 GHz transceiver. The transceiver chip uses a 16 MHz reference oscillator that is shared with the microcontroller for TX/RX, and is also powered by an internally regulated supply. The transceiver uses an integral antenna on the PCB.

1.2 Battery Replacement

The V240S can be powered from 3, D Cell batteries. The batteries are replaceable. To replace the batteries, open the case, remove the old batteries, and replace with new batteries noting their polarity.

1.3 FCC and IC

V240S Module

Responsible Party Pertaining to the Declaration of Conformity

Fleetwood Group, Inc.
11832 James Street
Holland, MI 49424
Attn: Product Service Coordinator
Phone: 888-467-3759

1.4 Standards and Guidelines

This device complies with the following USA/Canada Regulations:

- The USA Federal Communications Commission (FCC) Rules and Regulations
- Industry Canada Rules and Regulations

This device complies with the following national and international standards:

- FCC Part 15B, 15.249 (10-01-09)
- IC RSS-210 Issue 8



1.5 FCC/IC Compliance

This device complies with Part 15 of the FCC Rules and RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) this device may not cause interference and (2) this device must accept any interference, including interference that may cause undesired operation of the device. The user is cautioned that changes or modifications to the device that are not approved by the manufacturer could void the user's authority to operate the device.