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Client: Fleetwood Group, Inc.
Model: V2420L
Standards: FCC 15.247/IC RSS-210
FCC/IC ID: FBRV2420L/1859A-V2420L
Report #: 2010233

Appendix L: Manual

Please refer to the following pages.

USER MANUAL

V2420L Module



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Revision History:

Rev	Date	Description
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1.0 V2420L Module

1.1 Description

The V2420L is a low power real time locating system Link. The V2420L module is used to identify the location of an individual or asset location. It communicates at 2.4GH , to a badge module, link module or gateway module.

The overall operation of the V2420L module is controlled by a microcontroller. This microcontroller is powered from an internally regulated supply, and uses a 16 MH reference. The V2420L module is powered from AC mains, and uses an internal AC to 5VDC power module. The microcontroller handles control of the RF communications and indicator LEDs.

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

1.2 Powering the V2420L

The V2420L is powered by the AC mains. To power the module plug the V2420L into an AC receptacle with a voltage of 100-240Vac and 47-63 H .

1.3 FCC and IC

V2420L 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 15.247 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.