

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

Client: Fleetwood Group, Inc.
Model: E240D
Standards: FCC 15.249/IC RSS-210
ID's: FBRE240D/1859A-E240D
Report #: 2012236

Appendix M: Manual

Please refer to the following pages.

USER MANUAL

E240D RF Module



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

www.fleetwoodgroup.com
www.replysystems.com

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

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Revision History:

Rev	Date	Description
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1.0 E240D RF Module

1.1 Description

The E240D is a low power wireless response keypad module. The E240D module is used to interact with an audience so they can provide real time feed back to questions. It communicates at 2.4GHz , GFSK to a base station.

The overall operation of the E240D module is controlled by a microcontroller. This microcontroller is powered from approximately 3V and uses an internal reference. The microcontroller handles control of the RF communications and keypad inputs.

RF communications uses a 2.4 GHz transceiver. The transceiver chip uses a 16 MHz reference oscillator for TX/RX and is also powered by 3V. The transceiver uses an integral inverted F antenna on the PCB.

1.2 FCC, IC Compliance Information

E240D RF 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

1.3 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 15.249 10-01-11 : Operation within the bands 902-928 MHz , 2400-2483.5 MHz , 5725-5875 MHz , and 24.0-24.25 GHz .
- IC RSS-210 Issue 8: Low power license-exempt radio-communications devices all frequency bands : Category 1 equipment.

1.4 FCC/IC Compliance

Changes or modifications to the device that are not approved by the manufacturer could void the user's authority to operate the device.

This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard s . 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.

Le présent appareil est conforme aux la Partie 15 des r glements de la FCC et CNR d Industrie Canada applicables aux appareils radio exempts de licence. L exploitation est autoris e aux deux conditions suivantes: 1 l appareil ne doit pas produire de brouillage, et 2 l utilisateur de l appareil doit accepter tout brouillage radio lectri ue subi, m me si le brouillage est susceptible d en compromettre le fonctionnement.