

Rosemount™ RM2642 BLE Module



1 About this guide

This guide provides instructions for the Rosemount RM2642 BLE Module. This module is intended to be used only with compatible Rosemount sensors. Refer to applicable product's Reference manual for instructions on how to set up the -LCD/Bluetooth Display.

1.1 Safety messages

⚠ WARNING

Failure to follow safe installation and servicing guidelines could result in death or serious injury.

Ensure the transmitter is installed by qualified personnel and in accordance with applicable code of practice.

For installations in hazardous locations, the transmitter must be installed according to the [Product Certifications](#) document and System Control Drawing.

⚠ WARNING

Physical access

Unauthorized personnel may potentially cause significant damage to and/or misconfiguration of end users' equipment. This could be intentional or unintentional and needs to be protected against.

Physical security is an important part of any security program and fundamental in protecting your system. Restrict physical access by unauthorized personnel to protect end users' assets. This is true for all systems used within the facility.

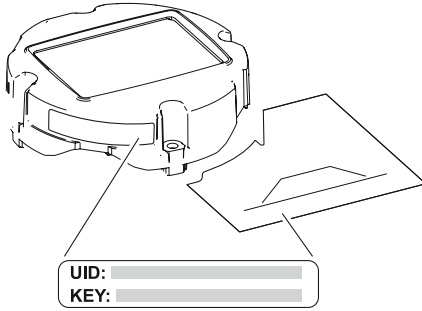
1.2 Product recycling/disposal

Recycling of equipment and packaging should be taken into consideration and disposed of in accordance with local and national legislation or regulations.

1.3 Bluetooth® UID and key

You can find the UID and key on the display unit and on the attached paper tag.

Figure 1-2: Bluetooth Security Information



1.4 Radio Specifications

The BLE module has been designed to be fully compliant with Bluetooth Low Energy Core Specification 5.0. It operates in the 2.4GHz ISM frequency band and is expected to operate with a minimum distance of 20 cm from all persons.

1.5 EU Compliance

This product demonstrates compliance to the EU Radio Equipment Directive (RED) 2014/53/EU and following standards:

EN 300 328 V2.2.2
EN 301 489-1 V2.2.2
EN 301 489-17 V3.2.4
EN 62311:2020

1.6 United States - FCC Compliance

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

- This device may not cause harmful interference; this device must accept any interference received, including interference that may cause undesired operation.
- This device must be installed to ensure a minimum antenna separation distance of 7.9 in. (20 cm) from all persons.
- When integrating into a host, the extra label shipped with the module **must** be applied to the exterior of the host.
- This module can **only** be used in the following devices:
 1. Rosemount 3144S
 2. Rosemount 4051S

Changes or modification to the equipment not expressly approved by Rosemount Inc. could void the user's authority to operate the equipment.

1.7 Canada - Innovation, Science and Economic Development Canada (ISED)

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modification to the equipment not expressly approved by [Emerson] could void the user's authority to operate the equipment.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Les changements ou les modifications apportés à l'équipement qui n'est pas expressément approuvé par [Emerson] pourraient annuler l'autorité de l'utilisateur à utiliser cet équipement



For more information: [Emerson.com](https://www.emerson.com)

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