

8 Labeling

This section describes the labeling, means marking of the module, the end-device (product that incorporates the module), the packaging and requirements for the manual in respect to the requirements for radio equipment. The final labels can have additional information, due to other requirements.

8.1 Module-Marking

Domain/Country	Marking in respect to radio equipment regulation	Remarks
all	RFM-2-NF	Type designation (unique identification) E.g. §2.1074 and §2.1077 for USA
EU		Highly recommended when shipped as spare part.
USA	FCC ID: 2ADFFV-RFM-2-NF	N/A
Canada	IC: 12444A-RFM2NF	N/A
Japan		none

Size: various (typ. L x W = 30 x 20 mm)

Color: black on white

Material: printed in indegible ink on permanent adhesive (various materials for ink, label and glue)

Location: on metal housing (shield of SRD controller)

Sample: see device under test

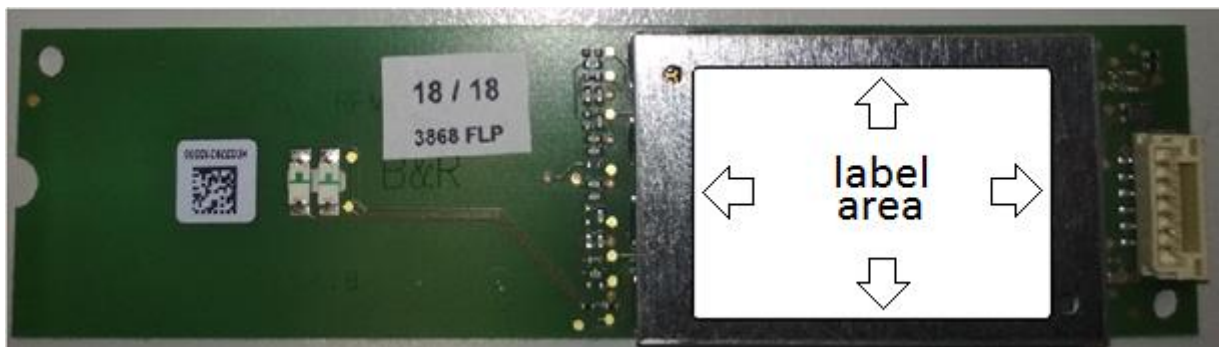


Figure 6: B&R wireless board "RFM-2-NF" label area for module marking

A possible layout of the module marking may look like this:

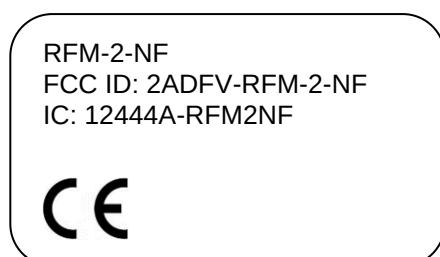


Figure 7: Layout proposal marking B&R wireless board "RFM-2-NF"

8.2 End-Device-Marking

The end-device (host) containing the B&R wireless board (RFM-2-NF) must show the following markings:

Domain/Country	Marking in respect to radio equipment regulation	Remarks
EU		CE mark covers also the marking requirements for radio equipment
USA Canada	This device complies with Industry Canada license-exempt RSS standard(s) and part 15 of the FCC 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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment contains FCC ID: 2ADFFV-RFM-2-NF contains IC: 12444A-RFM2NF	§15.19 §15.21 Further to § 2.1077 (c) as described in "GENERAL GUIDELINES FOR LABELING AND OTHER INFORMATION REQUIRED TO BE PROVIDED TO USERS" § 2.925 font size: 4 to 8 points, Canadian requirements in RSS-Gen Section 4 ff and §7.1.3.
Japan		<u>Not required:</u> RFM-2-NF is rated as Extremely Low Power Device

- Size: Label: L x W = approx. 63 x 38 mm (size for text and symbol see remarks in table)
- Color: Various for symbols and text, various for background. Visibility is assured through either contrast with the background color or marking in relief (for example, moulding or engraving).
- Material: *Version for "clean design" environment:* laser marking (no specification of material and glue necessary)
Version for standard environment: security foil (material: metal-coated polyester sheet, glue: Acrylics)
- Location: On prominent location (easily visible to the user) or in user manual
- Sample: See device under test

A possible layout of the end-device marking for a B&R Automation Panel Series 1000 and 5000 incl. OEM Versions may look like this:

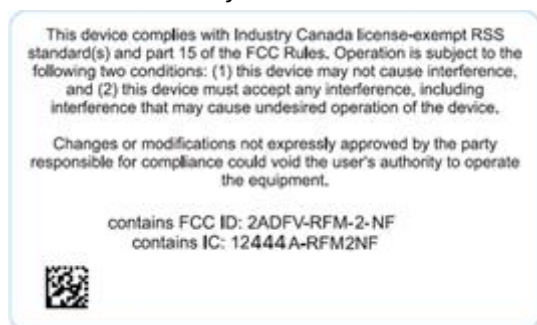


Figure 8: Layout proposal marking Automation Panel Series 1000 and 5000 hosting RFM-2-NF

8.3 Packaging-Marking

This section describes the necessary information on the packaging (sticker) of a B&R end-device that contains an RFM-2-NF but also for the packaging (sticker) of the B&R wireless board RFM-2-NF when shipped for retrofit or as spare part. In case of retrofitting the labeling requirements of an end-device must be taken into account.

Domain/Country	Marking in respect to radio equipment regulation	Remarks
EU	None	
USA	This device complies with Industry Canada license-exempt RSS standards(s) and part 15 of the FCC 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.	"GENERAL GUIDELINES FOR LABELING AND OTHER INFORMATION REQUIRED TO BE PROVIDED TO USERS" Clause 5 and Appendix A
Canada	None	
Japan	None	

8.4 User Manual Information

This section provides regulatory information that have to be addressed to the end user.

Domain/Country	Marking in respect to radio equipment regulation	Remarks
EU	This product is in conformity with the protection requirements of the EU Council Directive 2014/53/EU.	
USA	This device complies with Part 15 of the FCC rules. Operation is subjected 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. Information to user changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found comply with the limits of Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a resident area is likely to cause harmful interference in which case the user will be required to correct the interference at his own response.	Section 15.21 Section 15.105 (a)
Canada	This device complies with 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 received, including interference that may cause undesired operation. 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.	
Japan		none