

Installation Instructions

OPT/s NFC Reader/TMC/1,5 m

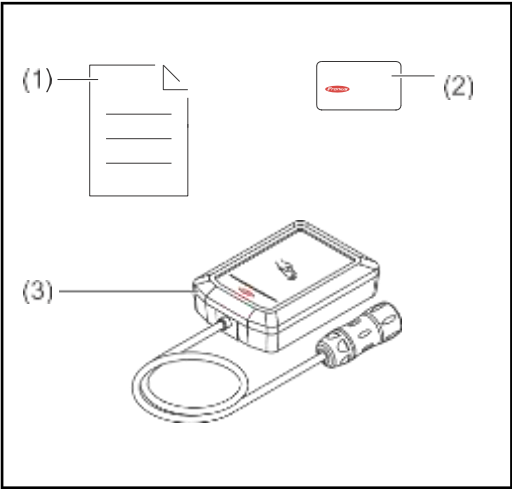


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General

Scope of supply

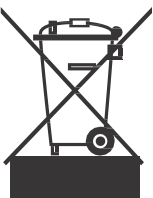
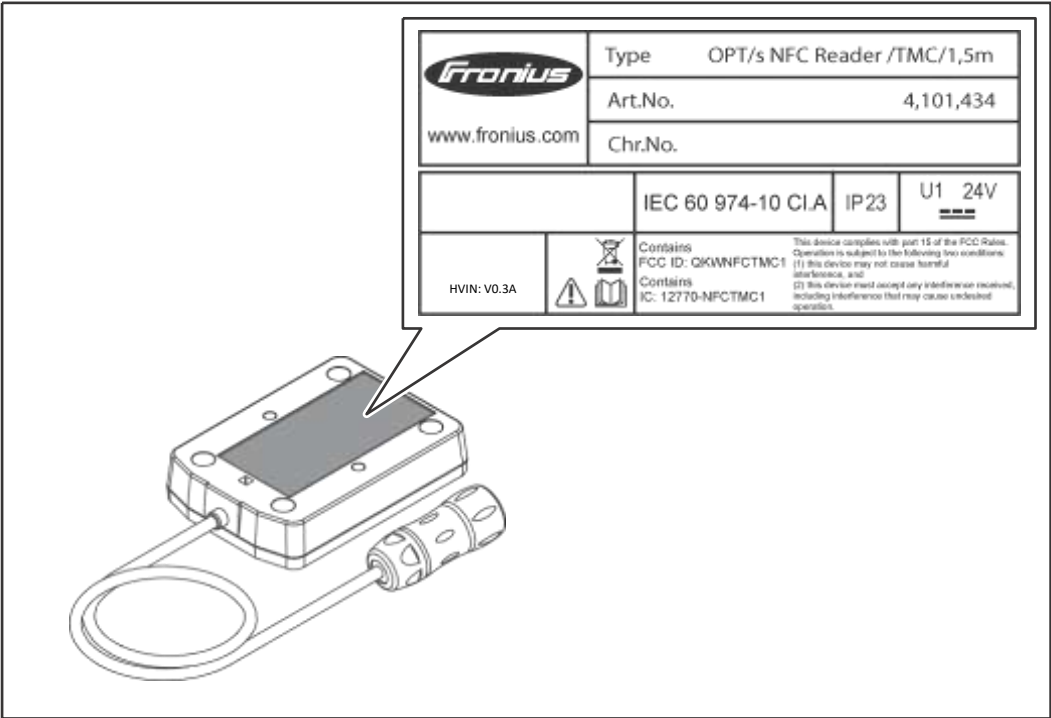


- (1) OPT/s NFC Reader /TMC* operating instructions
- (2) NFC card
- (3) OPT/s NFC Reader /TMC incl. TIG Multi Connector cable (1.5 m)

* TMC - TIG Multi Connector

Notes on the device

The rating plate must not be removed or painted over.



WEEE marking – waste electrical and electronic equipment must be collected separately and recycled in an environmentally sound manner in accordance with the European Directive and national law.



Do not use the functions described below until you have thoroughly read and understood the following documents:

- This document
- All operating instructions for the system components, especially the safety rules



PLEASE NOTE! Welding is dangerous. The following requirements must be met:

- sufficient welding qualifications
- suitable protective equipment
- keeping uninvolved persons away



CE label – confirms compliance with applicable EU directives and regulations.

Intended use

The NFC reader is intended exclusively for unlocking and locking the control panel as well as for activating and deactivating the user management of Fortis welding machines. Any other use shall be deemed to be not in accordance with the intended use.

Intended use also means:

- Reading these operating instructions in their entirety
- Following all instructions and safety notices in these operating instructions

Available documents



WARNING!

Danger due to incorrect operation and incorrectly performed work.

This can result in serious personal injury and damage to property.

- All the work and functions described in this document must be carried out by technically trained and qualified personnel only.
- Before working with and on the system components, ensure that you have read and understood the safety instructions of the welding machine and all the documents provided in hard copy and online

Fortis welding machines operating instructions:

QR code

Link



HTML

Fortis 270 C - 500 C, Fortis 320 - 400

<https://manuals.fronius.com/html/4204260498>

QR code	Link
	PDF
	Fortis 270 C - 500 C, Fortis 320 - 400
	https://www.fronius.com/en/welding-technology/downloads
	Find downloads: 42,0426,0498

Notes regarding radio certification

The device is equipped with a wireless module. Wireless modules in the USA require FCC certification:

FCC

This device has been tested and found to comply with the limit values for a Class A digital device, pursuant to Part 15 of the FCC regulations.

These limit values are designed to provide reasonable protection against harmful interference when the device is operated in a commercial environment. This device generates, uses, and may radiate high-frequency energy. If it is not installed and used in accordance with the operating instructions, harmful interference to radio communication may occur. Operation of this device in a residential area may cause harmful interference, which the user is required to correct at their own expense.

FCC IC: QKWNFCTMC1

Wireless modules in Canada require identification according to Industry Canada RSS standards:

Industry Canada RSS

This device contains license-exempt transmitters/receivers. These comply with the license-exempt Industry Canada RSS standards of the ISED (Innovation, Science and Economic Development) Canada. Operation is subject to the following conditions:

- (1) This device is not permitted to cause harmful interference.
- (2) This device must withstand any interference, including interference that may cause undesired operation of the device.

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.

IC: 12270A-NFCTMC1

NFC protocols:

NFC 13.56 MHz

Functions: R/W, Card Emulation, and P2P

Protocol standards: ISO 14443A/B, ISO15693, ISO18092, NFCIP-2 Data rate: 848 kbps

Read/Write, Card Emulation, Peer-to-Peer modes

Unless otherwise expressly permitted by the manufacturer, changes or modifications to the wireless module are not allowed and lead to a loss of the right of use of the device by the user.

Operation

Safety



WARNING!

Danger from incorrect operation and work that is not carried out properly.

This can result in serious personal injury and damage to property.

- ▶ All the work and functions described in this document must only be carried out by technically trained and qualified personnel.
- ▶ Read and understand this document in full.
- ▶ Read and understand all safety rules and user documentation for this equipment and all system components.

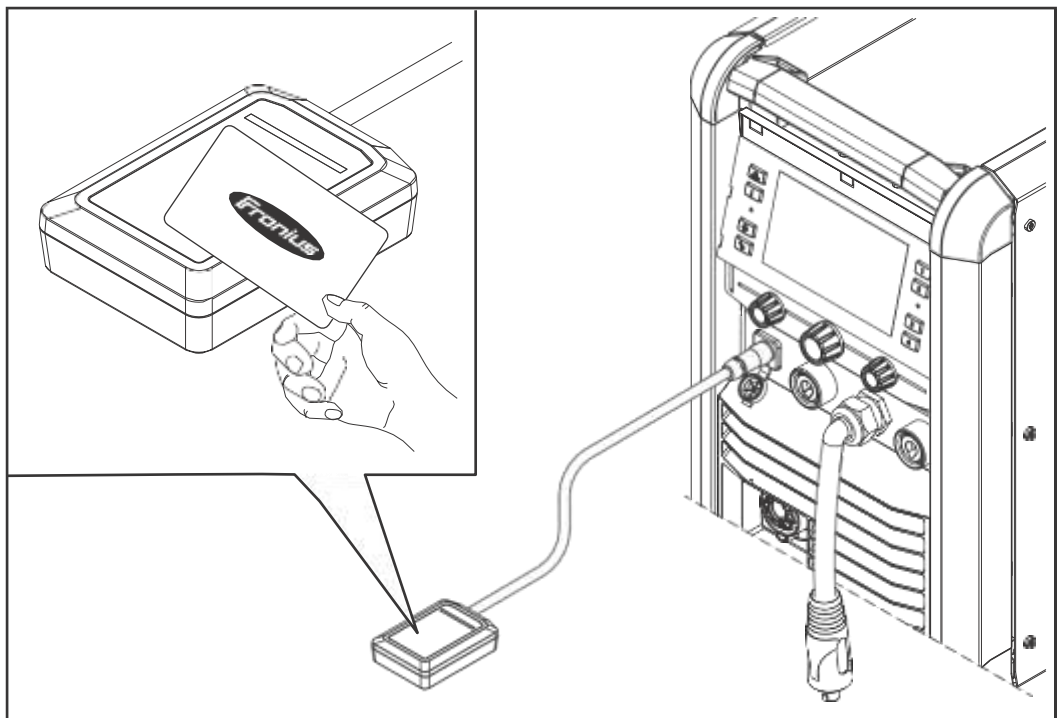
Locking and unlocking the welding machine using an NFC key

To lock and unlock the welding machine using an NFC key, the OPT/s NFC Reader /TMC option must be connected to the welding machine.

When the OPT/s NFC Reader /TMC option is connected, user management is available in the welding machine Setup menu.

Details on user management can be found in the Fortis operating instructions. See chapter [Available documents](#) on page 13.

Locking the welding machine



- 1 Hold the NFC key on the NFC key reader.

The key symbol appears briefly on the control panel.

The key symbol is then displayed in the status bar on the control panel of the welding machine.

The welding machine is now locked and the role "locked" that has been pre- defined in user management is activated.

The welding parameters defined for the role "locked" can be viewed and set. If the operator attempts to access a locked function, a corresponding message is displayed.

Unlocking the welding machine

- 1 Hold the NFC key on the NFC key reader.

The crossed-out key symbol appears briefly on the control panel.

The key symbol is no longer displayed in the status bar on the control panel of the welding machine.

If user management is not activated, all welding machine functions are available again.

If user management is activated, the functions of the welding machine defined for the user are available.

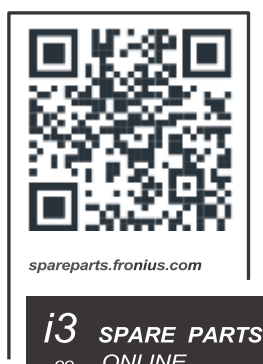
Status indicators

Color	Meaning
Green animated	Device starting up or restarting
Green	Device is ready
Green indicator fills from left to right	NFC key was detected
Red indicator fills from left to right	NFC key was not detected

Technical data

Technical data

Dimensions l × w × h	103 / 71 / 26 mm 4.06 / 2.80 / 1.02 in.
Weight	178 g 0.39 lb.
Cable length	1.5 m 4.92 ft



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At www.fronius.com/contact you will find the contact details
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