User Manual

UR1

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1. Functional description

The **UR1** is a reader module for near field communication (NFC) devices in a vehicular environment. With an external NFC antenna, devices can be identified and a driver can be authorized by the car. The **UR1** is connected to the car using a CAN-bus. It acts as a bridge between car controller and applications on NFC devices. The car sends requests to the **UR1** which communicates with the NFC device on the external antenna using a magnetic field.

2. User manual

The user places his authorized NFC device (a smartcard or a mobile phone with an integrated secure element ID) onto the NFC antenna in the car's central console. The **UR1** authorizes the user to the car automatically as soon as a valid device is recognized. The user pushes the car's Start/Stop button and the engine is started by the car controller.

3. Compliance statements USA & Canada

The equipment complies with FCC RF Radiation Exposure limits set forth for an uncontrolled environment. Operation is subject 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.

CAUTION TO USERS: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Industry Canada's licence-exempt RSSs. 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 present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage;
(2) l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement."

4. History

Version	Chapter	Changes	Date	Editor
1.0	All	Original version	14.10.2024	H Nirgude