

User manual

of the

Continental

Radio Frequency Transmitter

Model:

TXN5

TXN6

TXN7

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Functional description of the TXN5, TXN6 and TXN7 key

1 General Product Information

This document gives an overview of the different device operation modes of the key model TXN5, TXN6, TXN7. In this document the device is referenced as "key", even if the mechanical backup key might be separated from it.

1.1 Trade mark

Continental

1.2 Brand

Continental

1.3 Manufacturer

Continental Automotive GmbH
Siemensstrasse 12
93055 Regensburg
Germany

2 Operating modes

The key has three main operating modes which differ regarding of the signal transmitting with the RF (Radio Frequency):

- **Immo** Immobilizer transponder mode
- **RKE** Remote keyless functionality
- **PASE** Passive key functionality
- **RES** Remote Engine Start functionality, is an RKE mode

2.1 Immobilizer Transponder mode

When the key is operating as an immobilizer transponder, the communication is done via a "contact less interface" depending on a magnetic coupling.

2.2 Remote keyless functionality

This mode refers to use the key as a remote control unit to initiate actions on the vehicle such as open or close door latches. RF transmission depends on a user activating (a button pressing) on the key. During the button pressing the amount of telegrams are sent on the RF channel at 433.92 MHz.

A short valid button pressing results a sending of the minimum number of the RF telegrams.

If the duration of the button pressing extents the time required for transmitting the minimum amount of RF telegrams, additional telegrams will be sent until the button is released (if a button is released, the transmission will be stopped within less then 5 seconds) or a timeout of 10s is reached. This timeout function prevents the unintended transmission over the extended time periods in case of a button was fixed.

2.3 Passive key functionality

For passive key operation no user action on the key side is required. The trigger is delivered by the vehicle via an LF data telegram. When the key receives a valid LF message, it responds with two RF telegrams at 433.92 MHz.

The (LF) Low Frequency stage operates at 125 kHz

2.4 Remote engine start functionality

This mode refers to use the key as a remote control unit to initiate actions on the vehicle such as start and stop engine. RF transmission depends on a user activating (a button pressing) on the key. In this mode, RF output power is higher for a greater range (only at model TXN6 and TXN7) than in normal RKE mode.

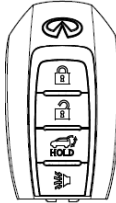
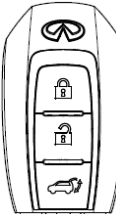
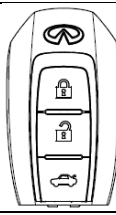
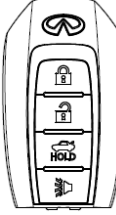
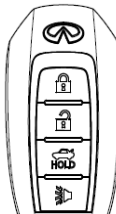
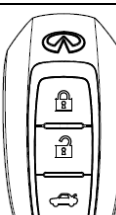
3 Button functions

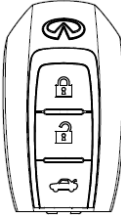
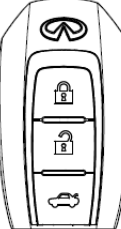
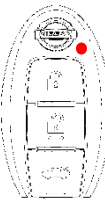
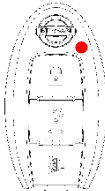
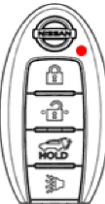


The table below shows the functionality of the buttons.


	<i>First Button press</i>	<i>Press and hold Button</i>
Button RES	Remote Engine Start	
Button Lock	Lock vehicle	Comfort Close
Button UnLock	Unlock vehicle	Comfort Open
Button Trunk	Open trunk/back door	Power Back Door opening
Button Panic	Alarm signaling	

4 Key fobs Variants


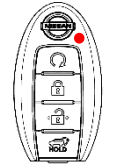
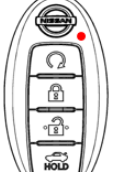
4.1 Model TXN5 variants:

Product reference	Product variant	Drawing
S180144709	433.92MHz Lock/Unlock PBD/Panic	
S180144710	433.92MHz Lock/Unlock/PBD	
S180144711	433.92MHz Lock/Unlock/Trunk	
S180144712	315 MHz Lock/Unlock/Trunk/Panic	
S180144713	433.92MHz Lock/Unlock/Trunk/Panic	
S180144714	433.92MHz Lock/Unlock/TRUNK	

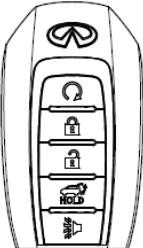
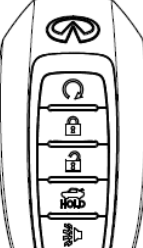
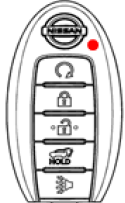

S180144715	433.92MHz Lock/Unlock/TRUNK	
S180144717	315MHz Lock/Unlock/Trunk	
S180144901	433.92MHz Lock/Unlock/TRUNK	
S180144902	433.92MHz Lock/Unlock/Panic	
S180144903	433.92MHz Lock/Unlock/PBD/Panic	
S180144907	433.92MHz Lock/Unlock	
S180144908	433.92MHz Lock/Unlock/PBD	

S180144910	433.92MHz Lock/Unlock/TRUNK/Panic	
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4.2 Model TXN6 variants:

Product reference	Product variant	Drawing
S180144904	433.92MHz RES/Lock/Unlock/Panic	
S180144909	433.92MHz RES/Lock/Unlock/PBD	
S180144911	433.92MHz RES/Lock/Unlock/Trunk	

4.3 Model TXN7 variants:

Product reference	Product variant	Drawing
S180144708	433.92MHz RES/Lock/ Unlock/PBD/ Panic	
S180144716	433.92MHz RES/Lock/Unlock/Trunk/ Panic	
S180144905	433.92MHz RES/Lock/Unlock/PBD/ Panic	
S180144906	433.92MHz RES/Lock/Unlock/TR/ Panic	

5 Label Information

5.1 EC



Continental
Model: TXN5 or TXN6 or TXN7

5.2 USA/Canada

Continental TXN5
S180144709
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN5
S180144710
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN5
S180144711
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN5
S180144712
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN5
S180144713
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN5
S180144714
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN5
S180144715
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN5
S180144717
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN5
S180144901
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN5
S180144902
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN5
S180144903
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN5
S180144907
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN5
S180144908
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN5
S180144910
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN6
S180144904
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN6
S180144909
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN6
S180144911
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN7
S180144708
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN7
S180144716
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN7
S180144905
FCC ID: KR5TXN7
IC: 7812D-TXN7

Continental TXN7
S180144906
FCC ID: KR5TXN7
IC: 7812D-TXN7

6 Owner Manual

6.1 Owner Manual Canada

IC: 7812D-TXN7

This device complies with Industry Canada license-exempt RSS standard(s).

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 of the device.

This equipment complies with the safety requirements for RF exposure in accordance with RSS-102 Issue 5 2015 for portable use conditions.

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.

Cet équipement est conforme avec les exigences de sécurité pour l'exposition aux RF conformément aux RSS - 102 Issue 5 2015 pour des conditions d'utilisation portables.

6.2 Owner Manual USA

FCC ID: KR5TXN7

This device complies with Part 15 of the FCC Rules. 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.

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

This equipment complies with FCC radiation exposure limits set forth for portable use conditions.