

User manual

Continental

Radio Frequency Transmitter

Models:

TP_2, TP_3, TP_4

1. General description of the RF transmitter

The Acura fob and Honda Fob are a transmitter designed to provide remote keyless entry, passive entry, passive engine start and immobilization functionality. The term that Honda customer uses to describe such a transmitter is a SMART fob.

The Acura fob MY21 is going to be launched using 433.92MHz working frequency and the Honda fob MY21 is going to be launched with 313.85MHz working frequency for Japan market, but also 433.92MHz variant, for the rest of the countries.

1.1 Housing style information

The Acura Fob has a different housing style than the Honda fob. Different button variants will be used for both keys (up to seven buttons per key , see variant matrix).

For Honda style, the PCB is between inner container cover and inner container bottom which are laser welded.

For Acura style, the laser welding is done between PCB cover and middle housing.

The PCB's between Honda and Acura are different.

1.2. Fobs functionality

The fobs are part of a larger system provided to Honda by Continental which allows the customer to:

- The remote keyless entry function which allows the user to remotely open/close the vehicle via button-press.
- The passive entry and passive start function which allows the user to access and drive the vehicle without the need to intentionally operate/handle the key-fob.
(Additionally diagnosis commands are realized via PASE communication.)
- The transponder function for immobilizer communication, which allows the user to start the engine of the vehicle in case the PASE start function is not available due to disturbances or weak battery.
- A mechanical emergency key-blade (from other supplier, will be inserted into the key-fob at the customer) allows access to the vehicle when the wireless functions (PASE/RKE) are not available.
- The TP_2 model can have two types of cryptology: HT3 or AES.
From electrical point of view, the HT3 and AES controllers are identical.

Model Number: TP_2

FCC ID: KR5TP-2 IC: 7812D-TP2

Model Number: TP_4

FCC ID: KR5TP-4 IC: 7812D-TP4

Warning statement:

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

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 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