

Functional description / User manual

Radio frequency transmitter

410.003.003

410.003.004

User Manual

of the

Continental

Radio Frequency Transmitter

Type

410.003.003

410.003.004

1. General Description

The transmitter (Tx) is used to transmit information for locking or unlocking the vehicle by a unidirectional RF transmission line for remote operation by pressing a button.

In general the following functions are provided:

- Lock the car;
- Unlock the car;
- Unlock the trunk of the car;
- Panic Alarm.

2. Block Diagram

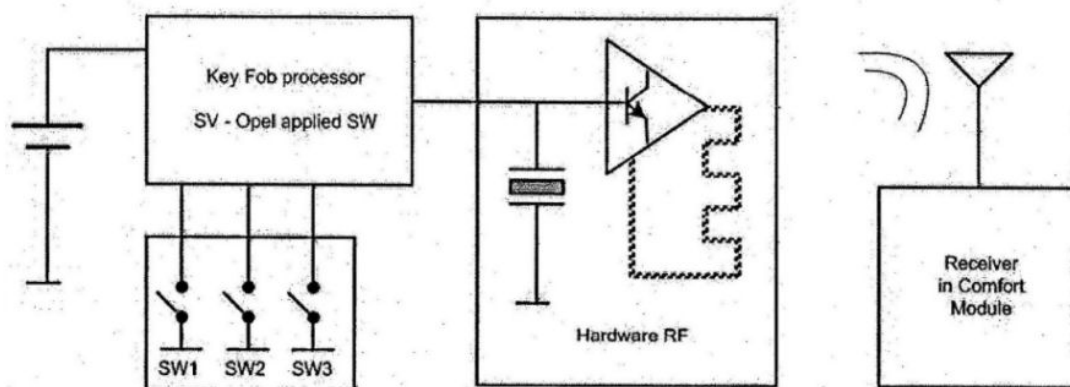


Figure 1 – Transmitter block diagram

3. Technical Data

Tx Electrical Characteristic:

Parameter	Unit	Min.	Typ.	Max.
Supply Voltage	V	2.2	3	3.2
Battery Life Time*	year	2		

Note) * It is considered 15 lock/unlock cycles per day in which at 20% the electrical power windows are actuated for 5 seconds.

Radio Frequency Parameters:

Parameter	Unit	Value
Center Frequency	MHz	433.92
Frequency Shift	KHz	+/- 150
Emitted Power (fundamental)*	dBm	< -19,97
Emitted Power (harmonics)*	dBm	< -39,74
Antenna gain (average)	dBi	-14

Note) * Measurements taken at 3 meters distance.

Operating Temperature:

Parameter	Unit	Min.	Max.
Temperature	°C	-20	+60

Modulation

Type	Baud Rate
ASK	1k ± 11%

Buttons Configuration:

Conti Part Number	410003003	410003004
Customer Part Number	94701901	94713308
Number of buttons	2	3
Button 1	Lock	Lock
Button 2	Unlock	Unlock
Button 3	X	Trunk

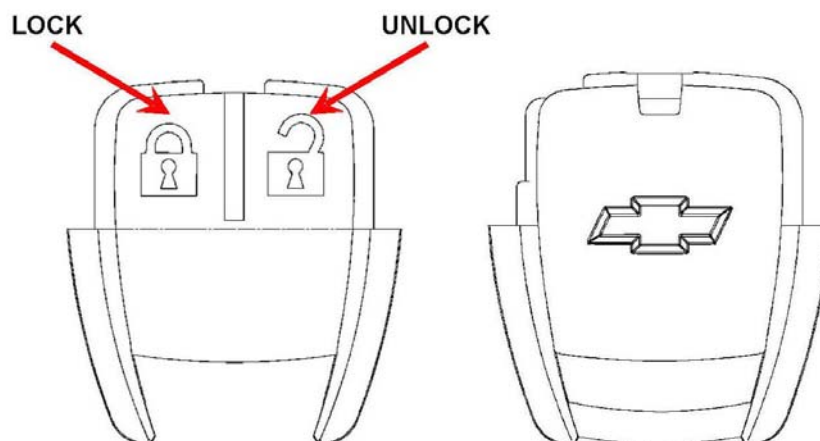


Figure 2 – 2 buttons key fob

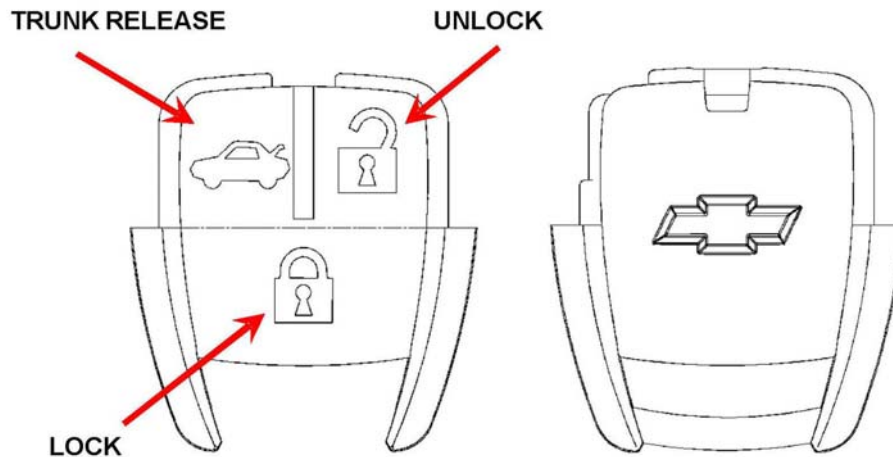


Figure 3 – 3 buttons key fob.

4. Label Design

USA

Continental
410003003

FCC ID:KR5410003003

Entry Owners Manual, USA:

NOTE

This device complies with part 15 of the FCC Rules and RSS -210. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept interference received, including interference that may cause undesired operation.

CAUTION

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.