

Delphi Deutschland GmbH Controls & Security Electronics Albert-Einstein-Straße 5 D-51674 Wiehl-Bomig Phone: +49 (0)2261 / 971- 0 Fax: +49 (0)2261 / 72691

User Manual

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Variant information:	Variant	Type designation		Delphi P/N	Transmitter	Crystal frequency
	433MHz	FI5-FM433	TX V1.0	28441555	Megacoder TX3	13.56MHz
Title:	User manual					
Project:	FI80RF					
Classification:	Customer Confidential					
Author:	Manar Bakro	Date: 07.03.2014				

Version 01 Date: 2014-03-07



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User manual

The transmitter for keyless entry is ready for operation as soon as a 3V battery is placed into the battery case.

The transmitter for keyless entry consists of an power supply, a transponder coil, a transmitter IC, a integrated antenna on the printed circuit board and a μ C with e. g. the transmit configuration.

There is only one variant of transmitter, considering the frequency and number of buttons.

The signal carrier frequency is 433.92 MHz and the four buttons have following functions: "Open", "Close" and "Trunk Open" and "PANIC"

If one of four buttons is activated, the transmitter for keyless entry sends across the integrated antenna on the printed circuit board a modulated, dependent on the activated button, protocol to the radio receiver.

Communication between Immobilizer circuit and Key Fob would be established by the transponder coil. The carrier frequency for the Immobilizer communication is 125 kHz. The Immobilizer transmits via the transponder coil, which would be activated by inserting the key into the ignition switch (Key In), an authentication (on the 125 kHz modulated protocol) for the transmitter for keyless entry and is waiting for a response by a modulation through attenuation of field.

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Buttons layout on PCB

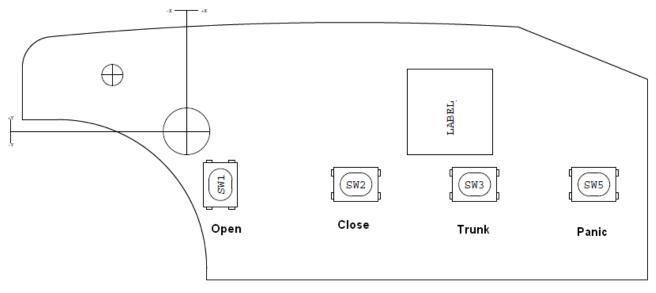


Diagram 1

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