User Manual / Functional Description

of the

Siemens VDO

Radio Frequency Transmitter/Receiver

Type

5WK49266

1. SYSTEM OVERVIEW

The RF remote control system consists of a remote key which is a RF transmitter / receiver and a RF transmitter / receiver unit at the vehicle.

The Remote Key is used to transmit information for locking or unlocking the vehicle (as also Trunk Lid/Approach Light/Panic /comfort open/Comfort Close/Check vehicle status/Passive lock/passive unlock/passive start operations) by a bidirectional RF transmission line for normal remote operation by pressing a button.
If the telegram which was received form the vehicle unit is not corrupted the vehicle unit will send an acknowledgement message to the Remote key. If the acknowledgement message is not received by the Remote key, the remote key will repeat the transmission at the second channel.

The RF transmitter/ receiver is mechanically integrated in the head of the key.

2. POWER SUPPLY

The transmitter is provided with 1 Lithium battery (CR 2430) that gives a tension of feeding of +3V.
The battery inversion is protected mechanically*.*

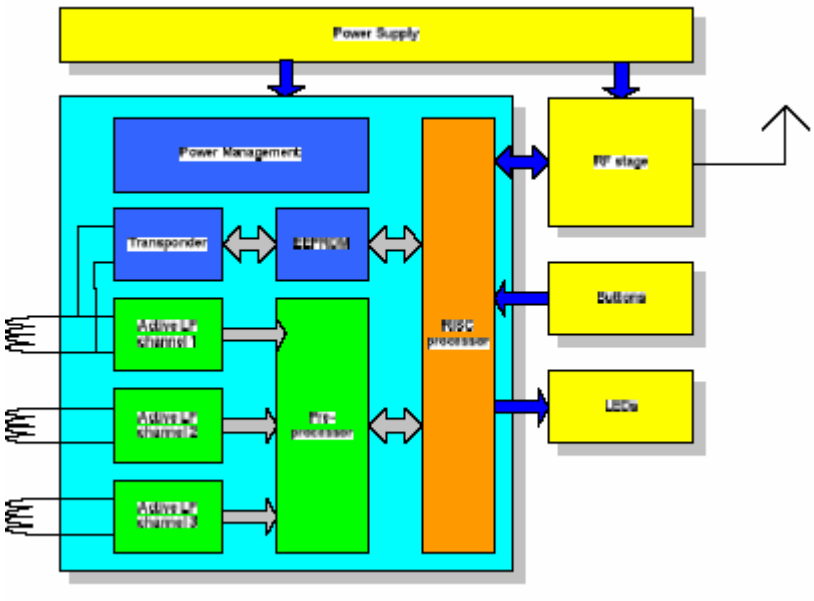
3. BUTTONS

All buttons are on the top side of the key housing. They are arranged in the following way.

VPC

4. BLOCK DIAGRAMM

The block diagram below shows the main electronic units of the transmitter / receiver



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5. TECHNICAL DESCRIPTION

Carrier frequency(incl. Tolerance):	902, 16 MHz / 903,575 MHz
Output power/field strength:	< 50mV/m
Type of modulation:	GFSK
Method of frequency generation:	fractional N PLL synthesizer
Number of channels:	2ch
Power supply:	battery (CR 2430)
nominal voltage	3,0V
Voltage supply range:	2,4V ... 3,2V
Type of battery:	lithium
Transmission range:	100 m (system range)
type of antenna:	PCB loop antenna
length/size of antenna:	ca. 4...5cm

7. LABEL DESIGN USA, Canada, Mexico

Siemens VDO

5WK49266

IC: 267T-5WK49266
FCC ID:KR55WK49266

Entry Owners Manual, Canada, 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.

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