

Functional description
5WK4 9210

SIEMENS AG, Siemens VDO Automotive
FCC ID:KR55WK49210

SV C BC S454
IC:267T-5WK49210

Functional Description / User Manual

of

SIEMENS VDO

Immobilization system HONDA RxM

Type 5WK49210 / 5WK49215

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Variants

5WK49210	with Receiver 313, 85 MHz	US
5WK49215	with Receiver 433, 92 MHz	Europe

Technical Data

Carrier frequency:	125 kHz \pm 1.25 kHz
Carrier field strength:	< 40dB μ A/m @10m
Modulation:	ASK
Supply voltage:	12 V
Battery type:	Car battery
Range:	< 55mm
Loop coil antenna area:	0.0010 m ²

Typical usage pattern (for Europe only)

360000 immobilizer operations in 10 years with a typical transmission duration of 0.1 seconds \rightarrow 36000 seconds (= 10 hours) transmission duration in 87600 hours \rightarrow 0.41 seconds transmission duration in one hour

Transmitter ON 0.41 seconds / hour

Transmitter OFF 3,599.59 seconds / hour

Duty Cycle: $T_{ON} / T_{(ON+OFF)} \times 100\% = 0.41 / 3,600 \times 100\% = 0.011\%$

Immobilizer parts

The RxM consists of the following parts:

1. Housing including LF antenna, RF antenna and pins for the PCB and connector
2. populated PCB
3. cover

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Label

US, Canada Mexico:

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Owner Manual:

NOTE

This device complies with part 15 of the FCC Rules and with RSS -210 of Industry Canada. 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.

Europe:

Siemens VDO
5WK49215

