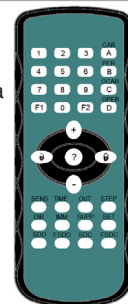


## General Description

In addition to the options described in the operating instructions for the RMS-D-RC radar sensor with RMS remote control, you can also operate the radar sensor using the RADAR RC infrared remote control (as of firmware version 2.0—see the label on the radar sensor). The RMS remote control features a display on which set values can be clearly read from the sensor. The RADAR RC remote control also offers a simplified way of parameterizing the sensor.



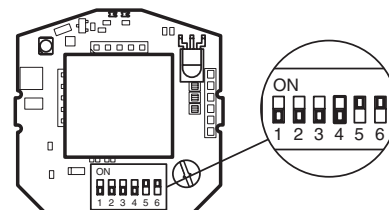
Separate parameter ranges are stored in the radar sensor for each of the three available adjustment methods (RMS remote control, keys, RADAR-RC remote control). As a result, adjustments made using the keys are not lost when a remote control mode is selected using DIP 6 in the interim. This feature also means that no adjustments made using keys can be read out using a remote control.

### Connecting the RADAR-RC Remote Control to the Radar Sensor

Activate infrared mode: Set DIP switch 6 on the RMS-D-RC to the OFF position.

Activate the RADAR-RC remote control: Set DIP switch 5 on the RMS-D-RC to the OFF position.

Note: DIP switches 1 – 4 and the potentiometer have no function.



## Parameterization

In parameterization mode, the LED on the radar sensor flashes red at a frequency of 2 Hz.

Repeated steps for parameterization.

### Starting Parameterization Mode

Press the **⏏** key.

When entering the security code: *The LED on the radar sensor flashes red at a frequency of approx. 5 Hz.*

**Enter the four-digit security code using the numeric keypad.**

*After entering the correct security code, the LED on the radar sensor flashes red at a frequency of 2 Hz. After entering an incorrect security code, the radar sensor exits parameterization mode and returns to its normal operating state (LED lights up green as long as no motion is detected).*

*After a network reset, no security code is required to unlock for 30 minutes.*

Without entering the security code: *The LED on the radar sensor flashes red at a frequency of approx. 2 Hz.*

### Selecting Functions

See the reverse for an overview of the available functions.

Press the required function key.

*The LED on the radar sensor flashes red at a frequency of approx. 5 Hz, indicating that a numeric value is expected.*

Enter a numeric value.

*If a correct value is entered, the LED on the radar sensor flashes green.*

### Exiting parameterization mode...

...using the old security code: **Press the **⏏** key twice.**

*The radar sensor exits parameterization mode and returns to its normal operating state (LED lights up green as long as no motion is detected).*

...using a new security code: **Press the **⏏** key once.**



*The LED on the radar sensor flashes red at a frequency of approx. 5 Hz, indicating that the radar sensor is ready for a new four-digit security code to be entered.*

**Enter a new four-digit security code using the numeric keypad within 60 seconds.**

Note: **To remove the security code, enter "0000".**

*The security code will be removed. In future, the parameterization mode can be accessed without entering a security code.*

## Functions

Key	Description	Adjustment range	Factory setting
	Start parameterization mode—unlock		
	Exit parameterization mode exit—lock		
SENS	Sensitivity—field size	0 = minimum sensitivity ... 9 = maximum sensitivity	7
TIME	Hold time	0 = 0.5 s 1 = 1 s ... 9 = 9 s	1
OUT	Switching output	1 = relay n.o. 2 = relay n.c.	1
DIR	Detection mode Detection of objects that move...	1 = toward or away from the sensor 2 = toward the sensor 3 = toward the sensor. As soon as an object has been detected, switch to detection mode 1. If an object is no longer detected, switch back to detection mode 3 4 = away from the sensor 5 = away from the sensor. As soon as an object has been detected, switch to detection mode 1. If an object is no longer detected, switch back to detection mode 5	2
IMM	Immunity	1 = lowest filtering ... 9 = maximum filtering	2
SUPP	Cross-traffic suppression	0 = off ... 9 = maximum suppression	1
SET	Factory reset after pressing the key 9	9	
F2	Sensor operation	1 = automatic 2 = permanently detected 3 = permanently not detected	1
D or OPER	Mounting height	1 = for mounting height < 3 m (corresponds to sensitivity 0 – 9 on the RMS remote control) 2 = for mounting height > 3 m (corresponds to sensitivity 6 – 16 on the RMS remote control)	1
0...9, +, -	Use depends on the selected function		
?	Query the value of the previously pressed key		
F1, A, B, C, STEP, SDO, FSDO, SDC, FSDC	Not used		