

Controlling the LEDs

ACTION	LCD DISPLAY
1. Press the LED On button to enable the LEDs. The following message appears:	LEDs disabled Enable LEDs
NOTE: The first line of the LCD display indicates the current status of the LEDs.	
2. Press Select to confirm and transmit your selection. The following message appears:	Settings were updated
3. Press the LED Off button to disable the LEDs. The following message appears:	LEDs disabled Disable LEDs
4. Press Select to confirm and transmit your selection. The following message appears:	Settings were updated

Controlling the ACT Mode

ACTION	LCD DISPLAY
1. Press the ACT On button to enable the ACT mode. The following message appears:	ACT is disabled Enable ACT
NOTE: The first line of the LCD display indicates the current status of the ACT mode.	
2. Press Select to confirm and transmit your selection. The following message appears:	Settings were updated
3. Press the ACT Off button to disable the ACT mode. The following message appears:	ACT is enabled Disable ACT
4. Press Select to confirm and transmit your selection. The following message appears:	Settings were updated

NOTE:

In the ACT mode, the Detector switches to MW detection only, when room temperature equals body temperature, or during a cloaking attempt.

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Conducting LuNAR Self Test

ACTION	LCD DISPLAY
1. Press the Self Test button to activate the LuNAR self test; test results appear on the LCD:	PS input xxxV (9.0V-16.0V) ↓ PIR CH1 DC level XX PIR CH1 noise level XX PIR CH2 DC level XX PIR CH2 noise level XX PIR CH3 DC level XX PIR CH3 noise level XX MW level XX MW noise XX

Turning OFF the RC

To turn off the RC device, simply press the **On** button again.

NOTE:

The RC automatically shuts itself, 60 seconds from the last key pressing, to save battery energy.

Ordering Information:

Part Number	Description
RK200DT00XXA	Industrial LuNAR DT Detector
RK200RC0000A	Industrial LuNAR Remote Control

XX indicates the microwave x-band frequency according to the following list:

00 10.525 GHz for BE, DK, ES, GR, IT, NL, PT, SE only!

UK 10.687 GHz for UK

FR 9.9 GHz for AT, CZ, FR, FI only!

DE 9.35 GHz for Germany

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Introduction

The Remote Control (RC) device is a unique bi-directional infrared remote control tool used to easily control and test the Industrial LuNAR detector. On one hand the RC can perform a self-test on the detector and receive data and status reports. On the other hand it can send information to the detector and update the detector's parameters. The RC is powered by two lithium CR123 batteries.

Enabling RC Communication with the LuNAR

- When the LuNAR is configured to the **Relay mode** the following steps must be performed: (for more information, refer to the *Industrial LuNAR Installation Manual*).

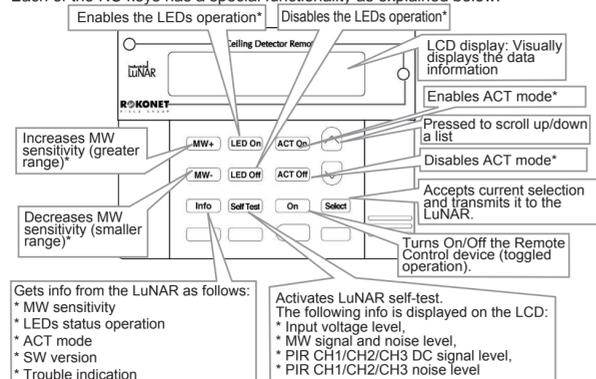
- Verify that dipswitch 6 on the LuNAR PCB is in "OFF" position.
- Verify that dipswitch 7 on the LuNAR PCB is in "ON" position.
- Apply "0" level to the "RC" terminal on the LuNAR terminal block (usually performed via a utility output on the control panel).

- For the **Bus mode** the following steps must be performed: (for more information, refer to the *Industrial LuNAR Installation Manual* and *Industrial LuNAR Instructions for ProSYS programming*).

- Verify that dipswitch 6 on the LuNAR PCB is in "ON" position.
- Enter the Walk Test Mode, in the ProSYS, which enables all the Industrial LuNAR detectors on the bus to communicate with the RC.

RC Key Functions

Each of the RC keys has a special functionality as explained below:



*Followed by pressing **Select** button

Figure 1: RC Key Functions

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Starting to Use the RC

ACTION	LCD DISPLAY
To use the RC, perform these steps: 1. Turn on the RC by pressing the On button. The following display appears each time the LuNAR is activated:	REMOTE READY ENGLISH
2. If required, use the RC arrows to scroll down the list and select your desired language.	
3. Press Select to confirm your selection.	

NOTE:

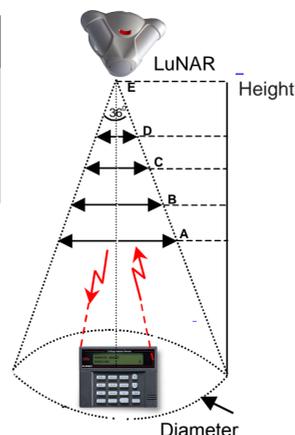
Upon power off, the last selected language is saved and will be used upon next power up.

- Point the RC infrared towards the LuNAR. Stand within the 36° zone (see below) for optimum reception. The effective RC reception distances and mounting heights are shown below.

- If the LuNAR does not respond, it is probably due to a link failure; change RC position until the link is achieved.

"No link" state message may appear if the LuNAR is not enabled for RC communication (see "Enabling RC Communication with the LuNAR" section).

Point	Mounting Height	Diameter
A	2.7m - 4.9m	1.6m
B	4.9m - 6.2m	3m
C	6.2m - 7.8m	3.7m
D	7.8m - 8.6m	4.7m
E	8.6m	5.2m



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INDUSTRIAL LUNAR
REMOTE CONTROL
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SIN200RCUM

Getting Information

ACTION	LCD DISPLAY
1. Press the Info button to get the desired info; the info appears on the LCD. Use the up ▲ or down ▼ arrows to scroll up/down the list and view the desired info.	MW set to XXX ACT is enabled/disabled ↑ LED is enabled/disabled ↓ Software Version XXX No trouble/trouble

NOTES:

- There are 3 optional trouble messages:
*MW trouble: Trouble in the MW channel.
*PIR trouble: Trouble in the PIR channel.
*PS trouble: Trouble in the detector input voltage
- If **Info** button was not pressed, an "Unknown MW/ACT/LEDs" message will appear on the LCD while trying to change the settings of these parameters. (MW/ACT/LEDs).

Increasing/Decreasing MW Sensitivity

ACTION	LCD DISPLAY
1. Press the MW+ button to increase the MW sensitivity. Select the desired sensitivity by scrolling up/down the list, using the up ▲ or down ▼ arrows.	MW set to XXX ↓ Set it to TRM ↓ Set it to MAX ↓ Set it to 85% ↓ Set it to 65% ↓ Set it to 50% ↓ Set it to 25% ↓ Set it to MIN ↓
2. Press Select to confirm and transmit your selection. The following message appears:	Settings were updated
3. Press the MW- button to decrease the MW sensitivity. Select the desired sensitivity by scrolling up/down the list, using the up ▲ or down ▼ arrows.	MW set to XXX ↑ Set it to TRM ↑ Set it to MAX ↑ Set it to 85% ↑ Set it to 65% ↑ Set it to 50% ↑ Set it to 25% ↑ Set it to MIN ↑
4. Press Select to confirm and transmit your selection. The following message appears:	Settings were updated

NOTES:

- Selecting the "SET TO TRM" option from the displayed list of options, implicates that the MW sensitivity will be set to the level defined by the trimmer on the PCB.
- If after pressing **Select** button you receive the message "No link try to change position", pressing **Select** button again will transmit once more the last selected parameters.

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