RF Touch user manual

We want to thank you for your purchase of the RF Touch control unit, which is an element of wireless RF Control system.

RF Touch allows:

- you to control many devices through touch screen
  - heating control
  - dimming lights
  - switching of electrical appliances and equipment
  - blinds
  - a combination of detectors
  - function timers
  - Group control of electrical equipment

- everything with clear visualization
- wireless communication without the need for cabling
# Before you start

The instruction manual is intended for installation and use of the equipment. Instructions are always included in the product packaging. Installation and connection can only make personnel with appropriate qualifications, in compliance with all applicable laws, who are perfectly familiar with this instructions and functions. Trouble free function is also dependent on transportation, storage and handling. In case of any signs of damage, deformation, malfunction or missing parts, do not install this product and return it to the seller. Product and its parts must be at the end of its lifetime handled as electronic waste. Before installation, make sure that all wires, connected parts or terminals are not live. During the installation and maintenance is necessary to follow safety regulations, standards, guidelines and special provisions for working with electrical equipment.
Overview of wireless RF Control devices

### RF Control system

All actuators of the RF Control System can be controlled by wireless central unit and all transmitters of the system simultaneously.

### CENTRAL WIRELESS UNIT

- **RF Touch-W**
  - for surface mounting
  - 100 - 230V AC or adapter (external)
  - 12 V DC

- **RF Touch-B**
  - for mounting in the installation box
  - 100 - 230V AC

### CONTROLLER

- **RF Pilot**
  - remote controller, colours: white, anthracite

### TRANSMITTERS

- **RF KEY**
  - 4-channel remote controller - key pendant

- **RFIM-20B**
  - universal transmitter module under the switch or button wall box installation

- **RFIM-40B**
  - universal transmitter module under the switch or button wall box installation

### BLIND ACTUATORS

- **RFJA-12B/230V**
  - blind actuator
  - 2 x 8A switching relay protection
  - 230V AC

- **RFJA-12B/24V DC**
  - blind actuator
  - contactless switching
  - 12-24V DC

### ANALOGUE ACTUATOR

- **RFDAC-71B**
  - actuator with analog output 0 (1) - 10 V
  - 1 x switch contact 16 A
  - 7 functions, 230V AC

  Dimmable ballast for dimming of fluorescent lamps supplied on request with the product RFDAC-71B

  Thermo-control of heating valves supplied on request with the product RFDAC-71B

### DETECTORS

- **JA-80P**
- **JA-81M**
- **JA-82M**
### Overview of wireless RF Control devices

#### SWITCHING ACTUATORS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Contact</th>
<th>Voltage</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFSA-11B</td>
<td>Single channel single function switching actuator</td>
<td>1 x</td>
<td>230V AC</td>
<td>16 A</td>
</tr>
<tr>
<td>RFSA-61B</td>
<td>Single channel multifunction switching actuator</td>
<td>1 x</td>
<td>230V AC</td>
<td>16 A</td>
</tr>
<tr>
<td>RFSAI-61B</td>
<td>Single-channel multifunction switching actuator with option of connecting an external wired controller</td>
<td>1 x</td>
<td>230V AC</td>
<td>16 A</td>
</tr>
<tr>
<td>RFSA-62B</td>
<td>2 channel multifunction switching actuator</td>
<td>2 x</td>
<td>230V AC</td>
<td>8 A, 6 functions</td>
</tr>
<tr>
<td>RFSC-11</td>
<td>RFSC-11 single-channel, single-function switched socket</td>
<td>1 x</td>
<td>230V AC</td>
<td>16 A</td>
</tr>
<tr>
<td>RFSC-61</td>
<td>RFSC-61 single-channel, multifunction switched socket</td>
<td>2 x</td>
<td>230V AC</td>
<td>8 A, 6 functions</td>
</tr>
<tr>
<td>RFUS-11</td>
<td>Single-channel single-function switching actuator</td>
<td>1 x</td>
<td>230V AC</td>
<td>16 A, 6 functions, protection IP65</td>
</tr>
<tr>
<td>RFUS-61</td>
<td>Single-channel multi-function switching actuator</td>
<td>1 x</td>
<td>230V AC</td>
<td>16 A, 6 functions, protection IP65</td>
</tr>
<tr>
<td>RFSA-61M</td>
<td>Single channel Multifunction switching actuator</td>
<td>1 x</td>
<td>230V AC</td>
<td>16 A, 6 functions</td>
</tr>
<tr>
<td>RFSA-66M</td>
<td>Six-channel Multifunction switching actuator</td>
<td>3 x</td>
<td>230V AC</td>
<td>8 A, 3 x changeover, contact 8 A, 6 functions</td>
</tr>
<tr>
<td>Angle antenna</td>
<td>for plastic switchboards supplied as standard for RFSA-61M, RFSA-66M, RFSG-1M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Angle Antenna</td>
<td>for metal switchboards can be ordered for RFSA-61M, RFSA-66M, RFSG-1M</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Overview of wireless RF Control devices

### TEMPERATURE ACTUATOR

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFSTI-11B</td>
<td>wireless switching actuator with temperature sensor in design to installation box, 230V AC</td>
</tr>
<tr>
<td>RFSTI-11/G</td>
<td>wireless switching actuator with temperature sensor with manual control buttons directly on the unit, 230V AC</td>
</tr>
<tr>
<td>RFTI-10B</td>
<td>wireless temperature sensor 1 x CR 2477 3V battery</td>
</tr>
<tr>
<td>RTC-10/G</td>
<td>digital temperature controller 2 x 1.5V AAA batteries</td>
</tr>
</tbody>
</table>

### DIMMING ACTUATORS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFDA-11B</td>
<td>single function dimming actuator 1 light scene, function OFF, 230V AC</td>
</tr>
<tr>
<td>RFDA-71B</td>
<td>multifunctional dimming actuator 7 functions, AC 230V / 250V</td>
</tr>
<tr>
<td>RFATV-1</td>
<td>measures the temperature in the given zone and provides wireless control of the radiator (heater) valve</td>
</tr>
<tr>
<td>RFDEL-71B</td>
<td>multifunctional dimming actuator 7 functions, 230 V AC / 250VA Dimmed load: R, L, C, LED, ESL</td>
</tr>
<tr>
<td>RFDA-73M/RGB</td>
<td>used to dim LED strips and RGB LED strips, possible other LED loads</td>
</tr>
<tr>
<td>RFDSC-11</td>
<td>single-function dimmed socket 1 lighting scene function OFF, 230V AC</td>
</tr>
<tr>
<td>RFDSC-71</td>
<td>multifunction dimmed socket 7 functions, 230 V AC / 250VA</td>
</tr>
<tr>
<td>RFDSC-71</td>
<td>multifunction dimmed socket 7 functions, 230 V AC / 250VA</td>
</tr>
</tbody>
</table>

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**DIMMING ACTUATORS**

- **RFDA-11B**: Single function dimming actuator, 1 light scene, function OFF, 230V AC.
- **RFDA-71B**: Multifunctional dimming actuator, 7 functions, 230V AC / 250VA.
- **RFATV-1**: Measures the temperature in the given zone and provides wireless control of the radiator (heater) valve.
- **RFDEL-71B**: Multifunctional dimming actuator, 7 functions, 230V AC / 250VA. Dimmed load: R, L, C, LED, ESL.
- **RFDA-73M/RGB**: Used to dim LED strips and RGB LED strips, possible other LED loads.
- **RFDSC-11**: Single-function dimmed socket, 1 lighting scene, function OFF, 230V AC.
- **RFDSC-71**: Multifunction dimmed socket, 7 functions, 230V AC / 250VA.
Characteristics of RF Touch

Control Unit of the wireless system RF Control - RF Touch provides intelligent control of the RF units.

It can be used for:
- Central control of all units from one place
- Complete overview (visualization) of the current status of units (appliances / equipment)

Features:
- sends command to temperature, switching, dimming and shutter actuators
- accepts commands from the transmitters, actuators, temperature sensors and detectors
- processing programs for heating and regulation

Design:
- RF Touch-B fits in the round installation box with a supply voltage of 100 - 230 V AC
- RF Touch-W for surface mounting with power supply from the back side: 100 - 230 V AC or from the side (via jack):
  - 12 V DC
- 3.5 inch color touch screen - no mechanical buttons
- RF Touch frames in the base plastic (white, black) or luxurious design Logus (glass, metal)
- Color of the interframes - white, ivory, ice, mother of pearl, aluminum, silver
- Colors of the boxes (only for RF touch-W) - white, ivory, dark gray, light gray

- Backup time in case of power failure is 48 hours
- 40 actuators and 30 OASIS detectors can be assigned to each RF Touch unit
- RF Touch can be combined with units of RF Control marked as Oasis & Touch Compatible
## Technical specifications

<table>
<thead>
<tr>
<th>Technical parameters</th>
<th>RF Touch-B</th>
<th>RF Touch-W</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>color TFT LCD</td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>320 x 240 pixels / 262,144 colors</td>
<td></td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>3 : 4</td>
<td></td>
</tr>
<tr>
<td>Visible area</td>
<td>52.5 x 70 mm</td>
<td></td>
</tr>
<tr>
<td>Backlight</td>
<td>active (white LED)</td>
<td></td>
</tr>
<tr>
<td>Touch screen</td>
<td>resistive 4-wire</td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td>3.5&quot;</td>
<td></td>
</tr>
<tr>
<td>Control</td>
<td>Touch sensitive</td>
<td></td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage / specific current</td>
<td>100 - 230 V AC from the back side 100 - 230 V AC from the side 12 DC *</td>
<td></td>
</tr>
<tr>
<td>Power consumption</td>
<td>max. 5 W</td>
<td></td>
</tr>
<tr>
<td>Power supply connector</td>
<td>A1 - A2</td>
<td></td>
</tr>
<tr>
<td><strong>Control</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Range up to</td>
<td>100 m</td>
<td></td>
</tr>
<tr>
<td>Minimal range RF Touch – actuator</td>
<td>1 m</td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>868 MHz</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Technical parameters</th>
<th>RF Touch-B</th>
<th>RF Touch-W</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Connection</strong></td>
<td>push-in</td>
<td>screwless terminal push-in or jack Ø 2.1 mm</td>
</tr>
<tr>
<td>Max. cross section of wires</td>
<td>max. 2.5 mm² / 1.5 mm² with socket</td>
<td></td>
</tr>
<tr>
<td><strong>Operating conditions</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0 … +50°C</td>
<td></td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-20 … +70°C</td>
<td></td>
</tr>
<tr>
<td>Protection</td>
<td>IP 20</td>
<td></td>
</tr>
<tr>
<td>Overvoltage category</td>
<td>III.</td>
<td></td>
</tr>
<tr>
<td>Pollution degree</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Operating position</td>
<td>arbitrary</td>
<td></td>
</tr>
<tr>
<td>Installation</td>
<td>installat in a box</td>
<td>wall box installation</td>
</tr>
<tr>
<td>Dimensions</td>
<td>94 x 94 x 12 mm</td>
<td>94 x 94 x 24 mm</td>
</tr>
<tr>
<td>Weight **</td>
<td>127 g</td>
<td>175 g</td>
</tr>
<tr>
<td>Standards</td>
<td>EN 60730-1</td>
<td></td>
</tr>
</tbody>
</table>

* adapter is included for RF Touch-W
** weight with plastic frame
RF Touch-W

POWER SUPPLY OVER TERMINALS

A1
100 - 230V AC
A2

POWER SUPPLY OVER ADAPTER

FITTING ON THE SURFACE

- adapter included with RFTouch-W
RF Touch-B

POWER SUPPLY OVER TERMINALS

FITTING TO THE INSTALLATION BOX

A2
AC 230V
A1
## Description of Control Icons

### Basic
- **i** RF Touch version Information and number of assigned units
- **settings**
- **back to the home screen**
- **step back**

### Setup Menu
- **scroll up**
- **scroll down**
- **OK** confirm
- **yes/selected**
- **no/not selected**
- **add**
- **edit/remove**
- **name/address of the actor(s)**
- **delete**

### Main menu
- **Temperature regulation**
- **Switching**
- **Dimming**
- **Blinds**
- **Detectors**
- **Quick kontrol**

### Keyboard
- **.** dot
- **abc** letters
- **A/a** small/capital letters
- **space**
- **a/1** switch - the letters / numbers
- **confirm**
- **erase previous**

### Heating
- **temperature**
- **Switching**
- **impuls**
- **button**
- **time function - delayed switch on**
- **delayed switch off**
- **regulation**

### Dimming
- **switch ON**
- **switch OFF**
- **dimming**
- **light inclination**
- **light declination**
- **confirm**

### Blinds
- **rise blinds**
- **lower blinds**
Basic Steps for Successful Programming

1st Step – Placing of the RF Touch and RF units

Keep in mind that the radio signal range of RF installation depends on building construction, materials and placing of all units.

Transmission of radio-frequency signals through various materials.

<table>
<thead>
<tr>
<th>Material</th>
<th>Transmission Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wooden structures with plasterboard plates</td>
<td>80-95 %</td>
</tr>
<tr>
<td>标准玻璃</td>
<td>80-90 %</td>
</tr>
<tr>
<td>brick wall</td>
<td>60-90 %</td>
</tr>
<tr>
<td>reinforced concrete</td>
<td>20-60 %</td>
</tr>
<tr>
<td>metal plates</td>
<td>0-10 %</td>
</tr>
</tbody>
</table>

2nd Step - Fill Installation Form

- device name that you want to manage (to create a menu)
- the names of units (for the correct classification of the group, for example: RFSA-61B)
- addresses of units (to identify the actuator, for example: 577515)

Installation form can be found at the end of this manual.

3rd Step - Set menus (create names)

Create a list of names of the controlled device in the Settings / Menu (create name).

4th Step – Programming

Programming of the RF units with RF Touch is carried out in the Settings / Programming menu.
**Initial setup**

- When the RF Touch is switched on for the first time, you will be automatically redirected to the display calibration screen. Touch screen can be controlled by the light touch (of about 0.5-1s) in the desired location. On the screen (Fig. 1) then appears cross in each corner of the screen, which need to be pressed twice. This will calibrate the device. The display then shows the RF logo icon and then touch icon signalizing scanning of the actuators.

**Content of the main screen**

- **date**
- **time** (touch in the upper right corner of the display will switch between analog - digital clocks (Figure 2 - Figure 3)
- **display** at the bottom of the screen is customizable, e.g.: heating mode, a often used device ...

Touch the clock area to enter the Main menu. If you want to get to the main menu from sleep mode, you need to touch the screen anywhere.

**Main Menu / Settings**

The settings menu can be opened by touch in the upper right corner on the symbol and insertion of password (it’s setting from production – 1111 (fig. 4-6), which you can change everywhen.

**Language**

Selection of required Language - Figure 6. Save setting by pressing OK.

**Date and time**

Settings (Fig.7-8):
- **Date and Time**
- **automatic transition** between winter / summer time (for time Zone GTM +01:00)
- **Format settings** hours (12h / 24h mode)

To save Settings press OK.
SETUP

Menu (create name)

Menu (create name) is used to add, edit or remove the names of the controlled device. In this menu (Figure 1) you need to first create your own device names for the sections you want to control.

Creating names is important for successful programming of the RF Touch. For each actuator, which is involved in the installation you have to create unique name.

The content of this menu is not set at the factory.

Menu (create name) / Add

Press the + Add icon (Fig. 2) to show a selection of sections (Fig. 3):

- Temperature regulation
- Dimming
- Blinds
- Switching
- Control
- Speed
- Detectors

Choose the section where you want to add the device name and type your own text (max. 20 characters).

Example 1: If you want to control the blinds - Place the name to the section of the blinds (Fig. 3-5).

Example 2: If you want to control a group of blinds together, first create all the blinds names in the blinds section and then create new name for group control in Quick control section.

Note: Actuator RFTI-10B can be connected with two temperature sensors. For each sensor, you can create your own name.
**Menu (create name) / Edit**

*Edit* button is used to change or modify the name in the created menu.

Press the *Edit* icon (Fig. 1), a menu appears, select the section in which you want to edit created name (Fig. 2). Mark selected name by touching it (Fig. 3) and then edit with displayed keyboard.

Press *OK* to confirm (Fig. 4). The modified name is stored.

**Menu (create name) / Remove**

Remove button can delete unit name.

Press the *Remove* icon (Fig. 5) following menu appears, select the section from which you want to remove the name (Fig. 6). Pick the device you want to delete by touching it (Fig. 7).

Press *✓* to confirm the selection (Fig. 8). Selected name will be deleted from menu.
**SETUP**

**Programming**

*Programming* is used to assign or remove the actuators / detectors to menu you created.

*The Programming* Menu can be entered by entering a password (default - 1111).

Actuators are divided into sections for which they are intended. According to the actuator’s type you have to select appropriate section - see table (eg programming actuator RFSTI-11B - find it in the Temperature regulation section).

### RF Control actuators divisions

<table>
<thead>
<tr>
<th>Temperature regulation</th>
<th>Switching</th>
<th>Dimming</th>
<th>Blinds</th>
<th>Detectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFSTI-11B/G</td>
<td>RFSA-11B</td>
<td>RFDA-11B</td>
<td>RFJA-12B/230V</td>
<td>JA-81M / 82M</td>
</tr>
<tr>
<td>RFTI-10B IN*</td>
<td>RFSA-6x*</td>
<td>RFDA-71B</td>
<td>RFJA-12B/24V DC</td>
<td>JA-80P</td>
</tr>
<tr>
<td>RFTI-10B OUT**</td>
<td>RDFAC-71B</td>
<td>RFDEL-71B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RTC-10/G</td>
<td>RFSAI-61B</td>
<td>RFDSC-11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RFATV-1</td>
<td>RFUS-11</td>
<td>RFDSC-71</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>RFUS-61</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>RFSC-11</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* internal sensor
** external sensor

* RFSA-61B, RFSA-62B, RFSA-61M and RFSA-66M
Programming / Assign new

It is used to assign a name to the actuator in the menu. In the required section (heating, dimming ...) select Assign new (Fig. 1). A list of selected sections actuators will be shown. (Fig. 2). Select the name of the actuator which you want to associate with the RF Touch. Enter the address of actuator you want to assign (Figure 3) as indicated on the actuator. Confirm with OK. From the menu you created, select the name to which the actuator will be assigned (Fig. 4).

- Only one name can be assigned for each actuator.
- When programming, actuator must be connected with the installation.

Communication test (Fig. 6) is used to detect and display the current status of the RF signal between the RF Touch and programmed actuator.

- Press Start (Fig. 7) to initiate the test, the current status of the signal is displayed in percentage.
- Press Return to Programming to get back to main menu of programming.

Programming / Temperature regulation / Assign New / RFTI-10B and RFTC-10/G

These two units are temperature sensors, communication test is not executed during programming.

Note: The actuator RFTI-10B is able to be connected with two temperature sensors, each sensor may have its own name. Address of the actuator is the same for both sensors.
Programming / Associated Receivers

It serves to control or remove the actuator from the name of the menu you created.

In the selected section (Figure 1 - Temperature regulation, dimming ...) select **Assigned receivers** (Fig. 2) a list of names specified in this section will be shown (Fig. 3). Touching on the name you will assign it to the actuator (Fig. 4).

By pressing arrows you can check the name and address assigned to the actuator (Fig. 4, 5).

By touching the name or address of the actuator, you can Remove the actuator (Image 7), Change the address (Image 8), or perform a Communications test (Image 9) and Pair with ....switching actuators, or internal relays (Image 10).

**Correction table for offset settings in RFSTI-11 /G device**

Due to warming of internal relay contact in the product RFSTI-11 /G, which are caused by current flow to the connected load, it is highly recommended to use the offset settings according to the following correction table, according to the value of controllable power. Offset settings are done in RF Touch device, for a given heating circuit, to which the device RFSTI-11/G is assigned.

<table>
<thead>
<tr>
<th>Connected power</th>
<th>0 VA</th>
<th>250 VA</th>
<th>500 VA</th>
<th>1000 VA</th>
<th>1500 VA</th>
<th>2000 VA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offset in RF Touch settings</td>
<td>-5 °C</td>
<td>-3,5 °C</td>
<td>-2 °C</td>
<td>-1,5 °C</td>
<td>-0,5 °C</td>
<td>0</td>
</tr>
</tbody>
</table>
Function Assigned receivers in Temperature reg. - RFTI-10B, RFTC-10/G and RFATV-1 are used to pair or remove temperature units from the actuator.

In the Temperature regulation section, press the screen to select Assigned receivers; the list of names assigned in this section will be displayed. Press the name to display the assigned actuator. Select the name to which the RFTI-10B, RFTI-10/G or RFATV-1 is assigned (Fig. 1-3). Use arrows to check the name and address of the assigned actuator (Fig. 4-5).

Touch the name or address of the actuator to display the menu (Fig. 6):

- Remove
- Pair with...
- Paired with...

Serves to cancel the link between the temperature unit and the name from the menu Temperature regulation.
SETUP

**Programming / Temperature regulation / Assigned receivers / RFTI-10B, RFTC-10/G and RFATV-1/ Pair with...**

Serves to combine the RFTI-10B, RFTC-10/G or RFATV-1 temperature unit with the RFSA-61M or RFSA-61B or RFDAC-71B multifunction actuator, where the temperature unit measures the current temperature and the multifunction actuator switches on the Temperature regulation based on the measured temperature. The multifunction actuator switches based on the set temperatures in the RF Touch.

Note: the attached actuator RFTI-10B can be used in two ways:
- For temperature measurement (without pairing with a switching actuator)
- When paired with the multifunction switching actuator it can switch heating equipment on the basis of the measured temperature.

**Programming / Temperature regulation / Assigned receivers / RFTI-10B, RFTC-10/G and RFATV-1/ Paired with...**

Shows multifunction switching actuator, which is paired with a temperature actuator. By touching the name of the actuator you can remove a paired actuator.

Note: Battery indication on the display (Fig. 1) informs of low battery in one of the temperature units. Press the battery to display the unit name. Use arrows to switch between the name and the address of the unit (Fig. 2-3).
Section detectors (Fig. 1) is intended for assign or remove OASIS detectors to menu. Select Assign detector (Fig. 2). The list of detectors will be shown. Select the detector you want assign to the RF Touch unit (Fig. 3). RF Unit Touch will enable search (Fig. 4) searching icon is shown (the shortest distance to assign a detector is 1.5m). RF Touch will recognize new detector when batteries are inserted into the detector. Confirm the assignment by pressing (Fig. 5). Choose a name to which the detector will be assigned (Fig. 6). Each detector may be assigned only to one name. Pressing arrows can display the name or address associated with the detector (Fig. 7, 8). When you touch on the name or address of the detector following options appear (Fig. 9):

- [ ] Remove...
- [ ] Pair with ...
- [ ] Paired with ...

- [ ] Remove...
- [ ] Pair with ...
- [ ] Paired with ...
**SETUP**

**Programming / Detectors / Remove**

*Used for deleting link between the detector and the name given in the detector menu (Fig. 1).*

Note: Two state JA-81M and JA-82M can be used in two ways:
- Information about the status (open / close) - eg window is open (without pairing with a switching actuator)
- Pairing with the multifunction switching actuator, which responds to the detector status (open / close)
  - eg light is switched on when you open the door.

Single state detectors (JA-80P) must always be paired with multi-function actuator.

**Programming / Detectors / Pair with ...**

*Paired detector can be paired with the multifunction switching actuator from switching menu, (eg, motion detector with entrance light, Fig. 2-3).
One detector can be paired with up to 30 multifunction switching actuators.
If the detector is paired with a switching actuator function of delayed off feature is automatically activated. When detector switch on, actuator switches connected device for preset time (2s - 60min). Time delay can be set in the main Menu / Control of the paired actuators (see page 26).
The above method can be used to assign additional detectors. The RF Touch can be programmed with up to 30 detectors.
Note: The minimum distance between the detector and RF Touch is 1.5 meters.*

**Programming / Detectors / Paired with ...**

*This menu will lists switching actuators, which are paired with the detectors. By touching the name you can remove paired actuator (Fig. 4-5).*
Programming / Quick Control

Quick control is used for creating a group command, where one-touch control multiple actuators.

For each name of group command you can assign a combination of up to 20 different actors.

Note: Quick control can be set only when all actuators are programmed in different sections of switching, dimming and blind control.

In the Quick Menu control (Fig. 1) choose name from list for the group command (Fig. 2).

Select Assign new (Fig. 3) it will show group of units (switching, dimming and blind control). Select the section you want to assign for desired command name (Fig. 4). You can create a menu for your device names created in the desired section.

Select the name (Fig. 5) and further define the function (Fig. 6).

The unit will returns to display groups of units (switching, dimming and blind - fig. 7), where you can continue with programming.

When you select assigned receiver (Fig. 8) you can go to the menu to remove (Fig. 10) or change the device name.

Note: The Remove function removes a group command name from the RF Touch unit memory. The actuators will remain in the memory.
SETUP

Setup / Display (fig. 1-2)

- **Background**: select the type of screen background color (black, blue, green, purple).
- **Screensaver**: the desired brightness (25%, 50%, 75%, 100%) will be activated after preset time since the last touch (15s, 30s, 1min, 3min).
- **Sleep mode**: set the time after which RF Touch screen unit goes to sleep - the screen goes dark (0min, 10min, 15min, 20min).
- **Calibrating the display**: cross appear in every corner of the screen, which need to be pressed twice. Calibration will be performed. Display calibration can also be started by resetting the unit or disconnecting the supply voltage from the unit; after connecting again, the RF Touch logo will appear on the display - hold the logo for more than 3s to activate calibration – touch logo longer than 3 seconds and calibration will be activated. After calibration, the display shows Home screen.

Setup / Others (fig. 3-4)

- **Change Password**: Changes the password for Setup menu. Enter password - Figure 5 (default password 1111) will start the screen to select a new password - where you type and confirm new password. Touch OK to save the new password (Fig. 6).
- **Reset the device**: To reset the password use 1234 (Fig. 7). This password cannot be changed. Password, and confirmation YES (Fig. 8) to return the RF Touch unit to the factory settings. RF Touch restarts without entering the password confirmation OK. (Settings remain unchanged)
**Setup / Others (fig. 1)**

- **Keyboard lock**: activation serves to prevent accidental or unwanted control of RF Touch (Fig. 2). For unlocking locked Home screen press the lock icon twice (Figure 3).

- **View menu**: you can set to display only those sections that you want to see in the main menu. (eg: only Dimming, Switching and Detectors - fig.4-5).

  If you select all the default sections, you will only see menu that you created without division into sections - Figure 6, this view is useful if you programmed max. 7 actuators).

- **Temperature regulation**: (Fig. 7) displayed units (°C / °F). settings for Hysteresis heating: upper and lower margins in a range of 0.5 - 5°C (image 8), set **Offset** (fix inaccuracies in temperature measurements) in the range from -5 to +5 °C, Selection of function for temperature control: Heating / Cooling

- **Main screen**: possibility to personalize Home screen (Figure 9-10). Left (1st choice), middle (2nd choice) and right field (3rd choice) is used to set the most common controlled devices directly from the Home screen.

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Note: Offset is set directly on the RFTC-10/G unit.
CONTROL / TEMPERATURE REGULATION

Control / Temperature regulation

Temperature regulation Menu (Fig.1) is designed for setting controls over heating equipment. Touch the heating you enter the menu of additional circuits (image 2).

- **Standard mode**  
- **Economic mode**  
- **Party mode**  
- **Anti-freezing mode**

These modes offer a preset temperature, which you can adjust as you need for individual heated rooms (circuits). By activation of Standard, Economic, Party or Anti-freezing mode, the Temperature Regulation adjusts the set temperature. By touching one of the icons, you activate the chosen mode for the selected room (heating circuit).

- **The Anti-freeze mode** is designed to maintain the minimum required temperature in a range of 5 - 15°C.

- **Heating program** can be used to set the heating regime for the whole week.

- **Holiday mode** is used for temporary interruption of the heating program or other heating mode.

Note: Setting Units ° C / ° F and hysteresis for heating is done in the Settings / Other / Heating

Temperature regulation / Changing heating modes to Economy, Normal and Party modes

To edit the mode, first select the settings button (image 3), then the relevant mode to modify (Fig. 4) - Standard, Economic, Party or Anti-freezing mode. The current temperature and the set temperature for Switching on the selected mode is displayed at the icon. Touch Settings icon (Fig. 5) for adjusting the temperature. Arrows / can set the desired temperature (longer pressed arrow will accelerate changing of numbers) Touch **OK** to save the set temperature (Fig. 6).
**Temperature regulation / Heating program**

By touching the Setting, you go into editing mode of a certain heating circuit or program (Fig. 1). Choose Heating Program for which you can set the time program and temperature (Fig. 2). Touch-hour time interval (or minutes) to indicate the information you want to change (Fig. 3). Arrows set time for switching - On and Off. Arrows can adjust desired temperature.

Note: longer push of arrows will accelerate changing of figures.

Touch of Sun-Sat activate the heating program for desired day of the week. - active for the day, - disabled for the day. Confirmation of the selected program - . If you want to set additional heating program to continue with programming.

Note: For one day you can create up to 5 heating programs. Times of programs may not overlap (Fig. 5). Setting of program until midnight and over midnight - see page 37.

**Daily overview** (Fig. 4) – arrows will choose between selected time program or temperature (Figure 5-6). To remove single time schedule mark time / temperature bar and (Fig. 6) then press basket symbol - bin icon . If you not choose any heating program bar you will delete all programmed schedules for given day.

**Weekly overview** (Figure 7-8) - touch the basket symbol to erase all programmed heating programs.
Holiday mode is used for temporary interruption of the heating program. Touch holiday mode (Fig. 1) to open Switch ON screen where you set the date, month and year when your holiday mode should start. Confirm with OK (Fig. 2). Switch Off screen appears where you set the day month and year for the end of holiday mode. Confirm with OK.

If you touch Overview icon (Fig. 3) you can check list of holiday programs.

Note: Up to 5 Holiday modes can be assigned up to 5 time intervals. Times of programs may not overlap. During the holiday Economy mode is active.

Individual deletion of Holiday Mode is selected by touching bar belonging to the program (Fig. 4), then touch the bin icon and program will be erased. If you do not mark any bar you can touch the bin icon to remove all holiday arrangements.

The precedence of the heating modes

- Anti-freezing mode
- Holiday mode
- Heating program
- Economic mode
- Standard mode
- Party mode

Note: The required temperature can be set manually on the RF Touch unit. The adjustment after activation is valid until the first subsequent change of the Heating programme or the Vacation mode. The required temperature may be set manually on the RFTC-10/G unit. This adjustment is valid until the subsequent change of the heating programme in RF Touch.
To edit the mode, first select the setting button (image 1) and then the applicable mode to be modified (image 2) - Standard, Energy-saving, Party or Antifreeze mode.

The open window detection function (image 4) monitors a sharp drop in temperature in the event of an open window and closes the thermo-valve to a preset period. You can choose 3 levels of open window detection sensitivity, or switch the function off.
- Low sensitivity - drop in temperature by over 1.2°C/min.
- Medium sensitivity - drop in temperature by over 0.8°C/min.
- High sensitivity - drop in temperature by over 0.4°C/min.

Window detection (image 5) - a green dot displays the ongoing stoppage of heating during the set time of inactivity if an open window has been detected.

Status (image 5) - Status 0 means the thermo-valve is functioning correctly, during constant display of different value, contact the manufacturer.

Inactive period (image 6) - here you set the period during which heating is shut off once an open window has been detected.

Note: If there are more thermo-valves RFATV-1 in one installation and there are paired to one switching actuator through RF Touch unit, the RF Touch sends the command “to turn off the heating ” after the desired temperature is recorded by all thermo-valves.
CONTROL / SWITCHING

Main menu / Switching

Switching menu is for all the devices you want to switch. Touch Switching (Fig. 1) displays the names of your choice created in menu. Red / Green LED indicates contact status: □ green -ON, □ red switched - off.
Touch the desired name (Fig. 2) to show basic functions: □ switch on □ switch off.

Switching / Function

Press the Next functions button (Fig. 3) will show a selection of switching functions (Fig. 4). Other functions can be used only in combination with multifunction switch actuators - RFSA-61B, RFSA-62B, RFSA-61M and RFSA-66M.

- Impulse – first touch ▲ switch on, second one to switch off.
- Button – It is on as long as long you are holding button ▼.
- Delayed switch on - touch □ will begin to count preset time, after which the actuator switch on.
- Delayed switch off - touch □ will start to count preset time after which the actuator will switch off.

In the section Time settings all times for Delay on and Delay off can be set.
Time delay can be set in the range from 2 to 60 minutes. Touch-hour time interval (or minutes) to ▲ indicate the information you want then change it (Fig. 5) with Arrows  ▼ / ▲.

Note: longer press of arrows will accelerate shifting of figures. Confirm time setting by pressing OK.
Upon selecting the Switching on menu to which the RFDAC-71B actuator is assigned, the basic function are displayed:

- Switch on
- Switch off

Press shortly the arrows ↑ / ↓ at the Regulation icon 0-10V to set the desired value (Fig. 3). Touch OK to perform the command.

Note: For efficient regulation of Temperature regulation, it is recommended to pair the RFDAC-71B actuator with the RFTC-10/G or RFTI-10B temperature unit.
CONTROL / SWITCHING

Switching / Weekly Program

Weekly program provides weekly settings for the automatic mode switching.

Touch Weekly program icon (Fig. 1), setup menu will appear. Touch-hour time interval (or minutes) to mark information you want to change. Arrows / will set the time of switch On and switch Off.

Note: longer press of arrow is accelerate shift of figures.

Touch the Sun-Sat icon will activate the program on a given day of the week (Fig. 2). ✓ - active for the day, ❌ - disabled for the day.

To confirm of selected programs touch OK. If you want to configure other Switching program continue programming.

Note: For one day you can create up to 5 switching programs. Programs must not overlap. Setting of program until midnight and over midnight - see page 37.

Daily / Weekly Overview shows the daily / weekly overview of switching programs.

To delete a program in the Daily overview (Fig. 3) indicate bar you want to delete (Fig. 4) at then press the bin icon to delete it. If you not select any of programed bars and press bin icon, you will remove all schedules in the day.

Weekly overview (Figure 5-6) touch the bin icon to clear all programs.
CONTROL / DIMMING

Main menu / Dimming

Dimming Menu is for all the lights where you want to control the brightness (load R L, C - 250V). Touch Dimming (Fig. 1) to display a selection of names you created in menu (Fig. 2).

Red / Green LED indicates contact status: green - On red - Off.

Dimming/Functions

Touch the desired name to display basic functions: switch on switch off. A short touch on the arrows / beside icon Dimming will set the desired brightness (Fig. 3). Touch OK to confirm. In the case displayed icon - level has been set by other controller (Fig. 4).

Further functions (Fig. 5) can be used only in combination with multifunctional dimming actuators - RFDA-71B and analog actuator RFDAC-71B.

- Smooth start - touch will start smooth start-up for preset time.
- Smooth stop - touch will start smooth run down for preset time.

In the Setting you can set time for smooth start and smooth stop. Time can be set from 2s to 30 minutes. Touch the time interval hours (or minutes) to indicate the information you want to change (Fig. 6). Arrows / will set time. Confirm setting by pressing OK.

Note: longer press of arrows will accelerate shifting of figures.
CONTROL / DIMMING

DIMMING/ RFDA-73M, RF RGB LED-550

The control screen RGB comprises of several elements and buttons. Long pressing (touch) of button ON/OFF controls the central setting of RGB elements and the light brightness - on/off. The buttons in the screen upper part include the light brightness setting function from 0-100% in step 5% (see the indicator of adjustable brightness %). Buttons in the screen lower half include the colour comfort setting function and accelerated control of RGB light. The buttons include the arresting function. Upon pressing button „white light on“, the analogue inputs are automatically set to the maximum value of individual colour elements which is indicated in the RGB light source output by means of mixing the elements with resulting white colour. Then we can regulate only the brightness intensity on the output. Upon pressing (touch) button „light on with colour as per RGB“ the button „white light on“ is automatically blocked, and button „light on with colour as per RGB“ is arrested. Now reset the analogue inputs values of individual RGB colour elements as per the preset cursor in the colour wheel of RGB scale on screen RF Touch.
CONTROL / BLINDS

Main Menu / Blinds

Blinds Menu is designed to control all shutters, blinds, awnings, gates and garage doors that have a built-end switch. Touch the Louvre (Fig. 1) to display selection of names you created in menu (Fig. 2). Red / Green LED indicates device status: green - closed blinds, red - open blinds.

Blinds / Functions

Touch the desired description / name of the device to display features: Open, Close

First you need to measure time \( t \) which your device needs to fully open / close. Touch open icon \( \uparrow \) for more than 3 seconds to put (Fig. 3) device into the end position. Then touch close icon \( \downarrow \) longer than 3 seconds to retract indicate the device while in motion, measure time \( "t" \) - a period during which the equipment is in motion.

Under settings you touch on a time interval of hours (minutes) mark information you want to change. Arrows \( \uparrow / \downarrow \) set measured by time \( "t" + 2s \) Pulling into the field and the same time and in the field of load (Fig. 4). Confirm the time by pressing OK.

Note: longer pressing the arrow is accelerated shift to the figures.

A short touch on Up / Down can control the devices in the desired direction. Touch longer than 3 devices place the desired end position.
**Blinds / Weekly program**

*Weekly program* can adjust automatic weekly mode.

Touch *Weekly program* icon (Fig. 1), setup menu will appear. Touch-hour time interval (or minutes) to mark information you want to change. Arrows ↑ / ↓ will set the time of switch On  and switch Off .

Note: longer press of arrow is accelerate shift of figures.

Touch the Sun-Sat icon will activate the program on a given day of the week (Fig. 2). ✔ - active for the day, ✗ - disabled for the day.

Confirmation of the selected program - OK. If you want to set additional blinds program to continue with programming.

Note: For one day you can create up to 5 blinds programs. Programs must not overlap (Fig. 5). Setting of program until midnight and over midnight - see page 37.

**Daily / Weekly Overview** shows the daily / weekly overview of switching programs.

To delete a program in the Daily overview (Fig. 3) indicate bar you want to delete (Fig. 4) at then press the bin icon to delete it. If you not select any of programed bars and press bin icon, you will remove all schedules in the day.

Weekly overview (Figure 5-6) touch the bin icon to clear all programs.

Note: Setting the Inversion function: touch / in the Weekly programme to set the initial movement of the roll-up blinds (Fig. 7).
CONTROL / DETECTORS

Main Menu / Detectors

The menu Detectors is used for the visualisation and switching of devices using detectors. By touching the option Detectors (Fig. 1) you will display the list of names on the detector menu that you have created (Fig. 2).

Double State Detectors

Double state detectors (JA-81M - doors; JA-82M - windows) feature state visualisation:
- Green – Off state
- Red - On state.
JA-81M and JA-82M detectors may be used in two ways:
- Information regarding the state (On/Off) - e.g. open window (without pairing with the switching actuator)
- Pairing with the multifunctional switching actuator (On/Off) - e.g. light switched on when door opened. By touching the name of the detector you will display the name of the switching devices with which the detector is paired. By pressing the name of the switching device you will display the selection (Fig. 4):

On state (neutral):
Off state (alarm):
- Switch off - switched off without delay.
- Delayed run out – switches off after the time period set in the switching settings.
- Switch on - switches on without delay.
- Delayed onset – switches on after the time period set in the switching settings.

Confirm by pressing OK (Fig. 4).

Note: The time delay is set for the paired actuator.

Single State Detectors

Single state motion detectors JA-80P do not feature state visualization and they are designed for pairing with the multifunctional switching actuator. By touching the name of the detector you will display the name of the switching actuator with which the detector is paired. Note: The function of Delayed Switch Off is automatically allocated to the detector. The time delay is set for the paired actuator.
Quick control menu serves to the group control of devices.

Touch **Quick control** to display the name selection of your custom menu (Fig. 2). Touch the name to display the following options (Fig. 3):

- **Activate** - displays set scenes.
- **Deactivate** - the OFF function will be executed on all active actuators.
# What to do when ...

## RF Touch Unit Warnings

*Warning is displayed in case of incorrect or incomplete entry.*

<table>
<thead>
<tr>
<th>Warning</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 40 rooms may be defined.</td>
<td>no more than 40 device names may be entered</td>
</tr>
<tr>
<td>Saving failed.</td>
<td>repeat entry</td>
</tr>
<tr>
<td>Delete failed.</td>
<td>repeat entry</td>
</tr>
<tr>
<td>No unit allocated.</td>
<td>allocate the requested actuator</td>
</tr>
<tr>
<td>Two time programmes overlap within a single day.</td>
<td>enter new settings</td>
</tr>
<tr>
<td>No time programme available within a single day.</td>
<td>no other programme can be entered</td>
</tr>
<tr>
<td>No day selected.</td>
<td>enter new settings</td>
</tr>
<tr>
<td>Switch on time may not exceed the switch off time.</td>
<td>enter new settings</td>
</tr>
<tr>
<td>Unit already allocated to the room. Select another room.</td>
<td>only one actuator can be allocated to one name of device (outside Quick Control)</td>
</tr>
<tr>
<td>This room has already been defined in the group.</td>
<td>enter a new name</td>
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<tr>
<td>The address has already been selected in the unit list. Choose another address.</td>
<td>enter correct information</td>
</tr>
<tr>
<td>The address information must be complete.</td>
<td>enter correct information</td>
</tr>
<tr>
<td>XXX displayed instead of temperature.</td>
<td>actuator not programmed, actuator/sensor defect, communication failure</td>
</tr>
<tr>
<td>Up to 40 units may be defined.</td>
<td>no more than 40 units may be entered</td>
</tr>
<tr>
<td>The switch on date must be different from the switch off date.</td>
<td>enter new settings</td>
</tr>
<tr>
<td>The switch on date must not exceed the switch off date.</td>
<td>enter new settings</td>
</tr>
<tr>
<td>All 5 programmes are engaged.</td>
<td>no other programme can be entered</td>
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</tbody>
</table>
Warning Procedure

<table>
<thead>
<tr>
<th>Warning</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>No unit allocated to the room.</td>
<td>allocate actuator</td>
</tr>
<tr>
<td>This group has already been allocated.</td>
<td>enter new settings</td>
</tr>
<tr>
<td>Display incomplete - control impossible.</td>
<td>calibrate the device (disconnect the power supply, after reconnecting hold the logo RF Touch, finish the calibration by touching twice the cross signs that appear in each corner of the screen)</td>
</tr>
<tr>
<td>EPROM memory error!</td>
<td>contact the manufacturer</td>
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<tr>
<td>RTC circuit error!</td>
<td>contact the manufacturer</td>
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<tr>
<td>AT45 circuit error!</td>
<td>contact the manufacturer</td>
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</tbody>
</table>
| Setting of program until midnight and over midnight - at the time of 00:00 there isn’t any action on the actuator. | - setting of time over midnight: set the required "switch ON" time and set the required "switch OFF" time on 00:00, next day set the switch ON" time on 00:00 and set the required "switch OFF" time.  
- setting of time until midnight: set the required "switch ON" time and set the required "switch OFF" time on 23:59 |

Have you lost the password? please ask the manufacturer for information about further steps

General Information
With consideration to the transmission of the RF signal ensure that RF components are suitably located in the building where the device is to be installed. The RF Control system must only be installed in indoor areas. The device has not been designed for outdoor use or use in moist environment, it must not be installed in metal distribution boxes and plastic distribution boxes with metal doors as this would prevent the transmission of the radio frequency signal. RF Control is not recommended for the control of devices providing for vital life functions or for the control of risk devices such as pumps, electrical heaters without heat regulators, lifts, pulleys etc. - radio frequency transmission could be hampered with an obstacle, interfered with, the transmitter battery may become depleted etc. thus disabling the remote control. Not suitable for use in industrial environment. Do not expose to extreme temperature changes. In case of extreme temperature changes allow approx. 2 hours prior to installation for the RF Touch to adjust to the temperature of the installation location. This will prevent condensation of moisture in the device and the occurrence of a potential short circuit. Keep flammable materials away from the device.
The graphic indication of the contact / device status (red/green LED) is only for information and may be influenced by the amount of processed information or the combination of more RF Touch and RF Pilot control units.
Safety functions in RFSTI-11B and RFSTI-11G actuators: the actuators disconnect the output in case of an accidental communication failure exceeding 25 minutes.
# Installation Form

<table>
<thead>
<tr>
<th>Serial no.:</th>
<th>Description / Name of the controlled device</th>
<th>Actuator name</th>
<th>Actuator address</th>
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