Installation of receiving devices should be carried out by a qualified electrician. Any device with the signs of damage and/or missing parts should NOT be installed and should be returned to the seller.

Before attempting installation, ensure all associated circuits and cables have been isolated at the source. Care should be taken with regards to the location of the radio frequency devices as transmission of the signal differs through different materials.

Devices are designed to be mounted internally only.

1. **RFSA-66M - 8A x 6 Channel Switching Actuator - DIN Rail Mountable**

   - 6 x 8A switching actuator with 3 normally open contacts and 3 normally closed and/or normally open contacts.

   - Actuators / receivers can be mounted directly behind individual appliances, control circuits locally or within the consumer unit.

   - Install the antenna carefully into the front termination, ensuring the centre connection is aligned prior to tightening the nut. **DO NOT OVERTIGHTEN THE NUT.**

   - We recommend the actuator is installed inside a non-metallic enclosure.

   - If mounted inside a metal enclosure or the signal is impaired, the AN-E external antenna with 3M of cable (supplied separately) can be fitted.

   - We recommend noting the hexadecimal code printed on each channel and the appliance it is controlling for potential future use.

   - Each channel can be controlled by up to 32 transmitting devices.

2. **Positioning of receivers - maximum remote control distance 200m**

   - Transmission of radio frequency signals through various materials:
     - 60-90% - brick walls
     - 80-95% - wooden constructions with plaster boards
     - 20-60% - reinforced concrete
     - 0-10% - metal
     - 80-90% - regular glass

   - **Warning:** Inductive and resistive loads CANNOT be connected together through one channel.

3. **Wiring**

   - 6 x 8A switching actuator with 3 normally open contacts (top) and the option of 3 normally closed and/or normally open (bottom) contacts.
### 4 Functions (Switching Actuators/Receivers)

<table>
<thead>
<tr>
<th>Function</th>
<th>Press button</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Press button</td>
<td>Press for ON, release for OFF</td>
</tr>
<tr>
<td>2</td>
<td>’On’ button</td>
<td>Press for ON</td>
</tr>
<tr>
<td>3</td>
<td>’Off’ button</td>
<td>Press for OFF</td>
</tr>
<tr>
<td>4</td>
<td>On/Off button</td>
<td>Press for ON, press again for OFF</td>
</tr>
<tr>
<td>5</td>
<td>’Off’ delay</td>
<td>Press for ON, device will turn off after pre-determined time period as set in step 3 of programming (2 secs - 30 mins max)</td>
</tr>
<tr>
<td>6</td>
<td>’On’ delay</td>
<td>Press to start timer. ’On’ delay will be as pre-determined in step 3 of programming (2 secs -30mins)</td>
</tr>
</tbody>
</table>

### 5 Programming the actuator receivers to button transmitters

When installing with the RF Pilot or RF Touch, use the dedicated product manuals for programming.

Circuits 1 to 3 are along the top, left to right (normally open). Circuits 4 to 6 are along the bottom (normally open/normally closed)

#### STEP 1 - Programming Mode

Press & hold the ‘programming’ button on the actuator receiver for 2 seconds *(the status LED will flash with a 1 second interval).*

There are 6 programme buttons each with its own LED and hexadecimal address for identification of the circuit.

#### STEP 2 - Select Function

To assign the chosen transmitter button & function, press the required button the number of times to match the function number required at one second intervals - See table of functions above (e.g for function 2, press the button 2 times).

Each time the transmitter button is pressed the LED on the actuator/ receiver will also flash to confirm the signal has been received.

#### STEP 3 - Only Required For Functions 5 & 6

For All Other Functions Go To STEP 4

To set the time element, after programming the function, press & hold the ‘programming’ button again for >5 seconds (the status LED will flash twice in a 1 second interval).  

THE TIMER HAS NOW STARTED.  
When the required time period has elapsed, press the previously assigned transmitter button (IN STEP 2) once to confirm.

#### STEP 4 - Save & Exit

To exit programming mode press the ‘programming’ button for 1 second only.

To Remove A Single Function

**STAGE 1**

Press and hold for 5 seconds

**STAGE 2**

Press the transmitter button that corresponds to the desired function to remove

To Remove All Stored Functions

Press and hold the ‘programming’ button for 8 seconds.

The LED will flash once per second after 2 seconds, then twice per second after 5 seconds then go back to once per second, the functions are now removed.

Press the programme button for 1 second to exit programming mode.