



EXTERNAL ANTENNA AN-E

- **RFSA-61M:** the switching unit with 1 output channel is used for controlling appliances, sockets or lights.
  - the one-module design of the unit into a switchboard enables connection of a switched load up to 16 A (4 000 W).
  - the switching unit may be controlled by up to 25 channels (1 channel represents 1 button on the controller).
- **RFSA-66M:** the switching unit with 6 output channels is used for independent control of up to 6 appliances, sockets or lights. It is possible to assign any function to each output relay.
  - the three-module design of the unit into a switchboard enables connection of a switched load 6x 8 A (6x 2000 W).
  - it is just right for creating scenes, where with one push of the controller, you can switch on or off all 6 channels simultaneously.
  - each of the channels may be controlled by up to 25 channels (1 channel represents one button on the controller).
- They can be combined with detectors, controllers, iNELS RF Control or system components.
- The integrated switching contact enables connection, where the controlled appliance may be switched on or off by command.
- Function: button, impulse relay and time function of delayed start or return with time setting range of 2 s-60 min.
- The programming button on the unit is also used for manual control of the output.
- The package includes an internal antenna AN-I, in case of locating the element in a metal switchboard, you can use the external antenna AN-E for better signal reception.
- Memory status can be pre-set in the event of a power failure.
- For components it is possible to set the repeater function via the RFAF / USB service device.
- Range up to 200 m (in open space), if the signal is insufficient between the controller and unit, use the signal repeater RFRP-20 or protocol component RFIO<sup>2</sup> that support this feature.
- Communication frequency with bidirectional protocol iNELS RF Control<sup>2</sup> (RFIO<sup>2</sup>).

| Technical parameters      | RFSA-61M/ 230V        | RFSA-61M/ 24V        | RFSA-66M/ 230V          | RFSA-66M/ 24V        |
|---------------------------|-----------------------|----------------------|-------------------------|----------------------|
| Supply voltage:           | 110-230VAC / 50-60 Hz | 12-24 V AC / DC SELV | 10-230 V AC / 50-60 Hz  | 12-24 V AC / DC SELV |
| Apparent input:           | 2.7 VA / cos φ = 0.6  | -                    | min. 2 VA / max. 5 VA   | -                    |
| Dissipated power:         | 1.62 W                | 0.8 W                | min. 0.5 W / max. 2.5 W | max. 1.8 W           |
| Supply voltage tolerance: | +10% / -25 %          |                      |                         |                      |

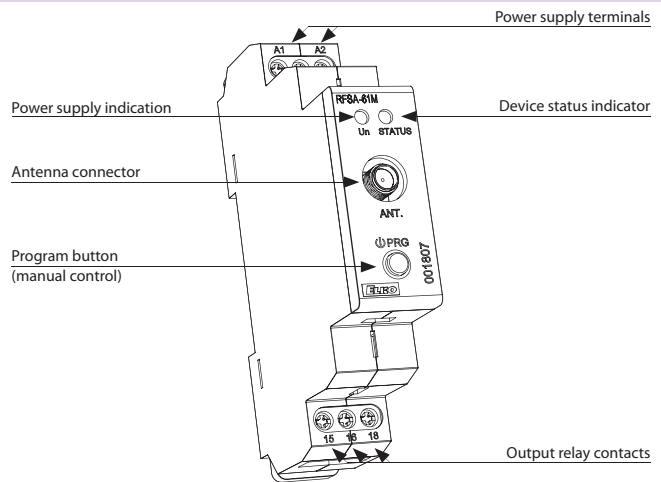
| Output                         |   |
|--------------------------------|---|
| Number of contacts:            | 1x changeover (AgSnO <sub>2</sub> )<br>3x changeover (AgSnO <sub>2</sub> );<br>3x switching (AgSnO <sub>2</sub> ) |
| Rated current:                 | 16 A / AC1<br>8 A / AC1   |
| Switching power:               | 4000 VA / AC1, 384 W / DC<br>2000 VA / AC1  |
| Peak current:                  | 30 A / <3 s<br>10 A / <3 s  |
| Switching voltage:             | 250 V AC1 / 24 V DC<br>250 V AC1  |
| Max. DC switching power:       | 500 mW<br>500 mW  |
| Mechanical service life:       | 3x10 <sup>7</sup><br>1x10 <sup>7</sup>  |
| Electrical service life (AC1): | 0.7x10 <sup>5</sup><br>1x10 <sup>5</sup>  |

| Control                          |                           |
|----------------------------------|---------------------------|
| RF, by command from transmitter: | 866 MHz, 868 MHz, 916 MHz |
| Manual control:                  | PROG (ON/OFF) button      |
| Range in free space:             | up to 200 m               |
| Output for antenna:              | SMA connector*            |

| Other data   |  |
|--|--|
| Operating temperature:                                 | -15 °C to + 50 °C  |
| Operating position:                                    | any  |
| Mounting:  | DIN rail EN 60715  |
| Protection:  | IP20 from the front panel  |
| Overvoltage category:                                  | III.   |
| Contamination degree:                                  | 2  |
| Connecting conductor cross-section (mm <sup>2</sup> ): | max. 1x 2.5, max. 2x 1.5 / with a hollow max. 1x 2.5   |
| Dimensions:  | 90 x 17.6 x 64 mm   90 x 52 x 65 mm  |
| Weight:  | 74 g   264 g   |
| Related standards:                                     | EN 60669, EN 300 220, EN 301 489 R&TTE Directive, Order. No 426/2000 Coll. (Directive 1999/EC) |

\* Max Tightening Torque for antenna connector is 0.56 Nm.

**Device description**



**Function**

For more information see p. 64.

**Connection**

