

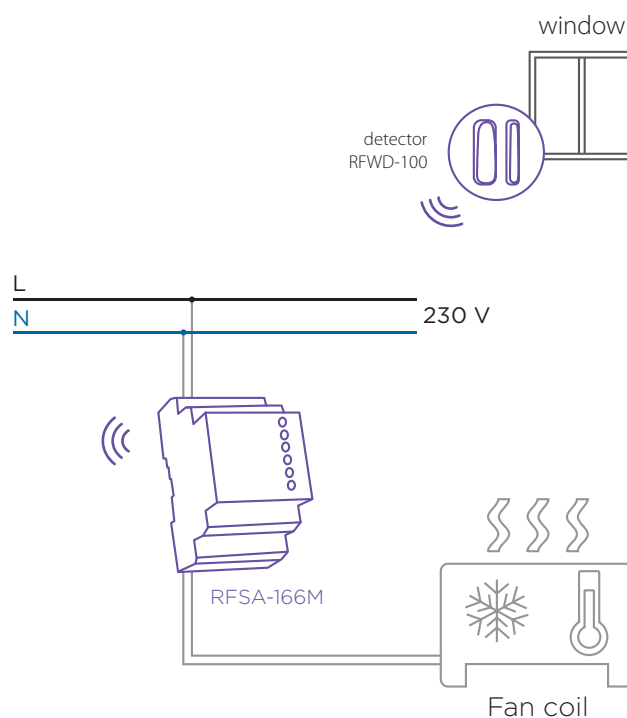


- Thanks to the 6-channel design of the switching component it can control the heating / cooling mode and 3 speeds.
- The RFWD-100 detector can be paired with RFSA-166M via the first relay contact.
- The package includes an internal antenna AN-I, in case of locating the element in a metal switchboard, you can use the external antenna AN-E for better signal reception.
- Components support communication with RF detectors.
- For components it is possible to set the repeater function via the RFAF / USB service device.
- Range up to 100 m (in open space), if the signal is insufficient between the controller and unit, use the signal repeater RFRP-20 or protocol component RFIO² that support this feature.
- Communication frequency with bidirectional protocol iNELS RF Control² (RFIO²).

| Technical parameters | RFSA-166M/230 V | RFSA-166M/24 V |
|--|---|--------------------|
| Supply voltage: | 110-230 V AC / 50-60 Hz | 12-24 V AC/DC SELV |
| Apparent input: | min. 2 VA / max. 5 VA | - |
| Dissipated power: | min. 0.5W / max. 2.5W | max. 1.8 W |
| Supply voltage tolerance: | +10% / -25 % | |
| Output | | |
| Number of contacts: | 3x changeover (AgSnO ₂); 3x switching (AgSnO ₂) | |
| Rated current: | 8 A / AC1 | |
| Switching power: | 2000 VA / AC1 | |
| Peak current: | 10 A / <3 s | |
| Switching voltage: | 250 V AC1 | |
| Max. DC switching power: | 500 mW | |
| Mechanical service life: | 1x10 ⁷ | |
| Electrical service life (AC1): | 1x10 ⁵ | |
| Control | | |
| RF, by command from transmitter: | 866 MHz, 868 MHz, 916 MHz | |
| Manual control: | PROG (ON/OFF) button | |
| Range in free space: | up to 100 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 ²): | max. 1x 2.5, max. 2x 1.5 / with a hollow max. 1x 2.5 | |
| Dimensions: | 90 x 52 x 65 mm | |
| Weight: | 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.

Connection



Opening the window (removing the magnet from the detector) turns off the RFSA-166M heating / cooling unit.