RFSA-266M | Switch unit for fancoil control

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EAN code:
RFSA-266M: 8595188189781

- The RFSA-266M wireless switching element in combination with RFTC-4 is designed for controlling 2 and 4 pipe fan coils, VRV and other HVAC equipment
- 3x relay for fan speed (LOW, MEDIUM, HIGH), 2x relay for heating/cooling mode
- 2x analog output 0-10V for proportional valve control
- 2x input for connecting wired detectors (magnet doors/windows)
- 1x input for external temperature sensor TC/TZ
- Wifi access point for thermostat setup (via web browser) and iNELS Cloud, iNELS APP and MRS via MQTT protocol
- iNELS RFIO2 for wireless communication with iNELS Wireless elements
- Modbus RTU for external HVAC devices and higher-level systems
- In case of insufficient signal between the controller and the switch unit, use the signal repeater RFRP-20N or elements with RFIO2 protocol that support this function.

Technical parameters	RFSA-266M/230V
Supply voltage:	110–230 V AC
Supply voltage frequency:	50–60 Hz
Apparent power input:	min. 1.8 VA/max. 5 VA
Dissipated power:	min. 0.9 W/max. 2.5 W
Supply voltage tolerance:	+10%/-25 %
Output	
Number of contacts:	5x switching (AgSnO$_2$) / 7 A/AC / 10 A/<3 s
Switching power:	1600 W/AC
Switching voltage:	250 V AC
Mech. / el. service life:	5x 10^6 / 6x10^4
Analog output	2x 0 – 10V (OUT1, OUT2)
Inputs (external)	
Binary:	for potential-free contact, terminals IN1/IN2 against GND, maximum wire length 30m
Temperature:	1x for external temperature sensor TC/TZ, terminals IN1 & IN2, temperature range -20 to +120 ° C, accuracy ± 0.5 ° C
Control	
Communication protocol:	RFIO2, MODBUS, WIFI, MQTT
Frequency:	866–922 MHz (for more info see p. 85)
Repeater function:	yes
Range:	in open space up to 80 m
Other data	
Operating temperature:	-15 °C .. +50 °C
Storage Temperature:	- 20 .. +60 °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 (mm²):	max. 1x 2.5, max. 2x 1.5/ with a hollow max. 1x 2.5
Dimensions:	90 x 52 x 65 mm
Weight:	145 g
Related standards:	EN 60730, EN 63044, EN 300 220, EN 301 489

Connection for fancoil control

Web configuration

Wi-FI SSID: RFSA-266M_product number
IP address for setting parameters: 192.168.1.1