

# Room controllers/thermostats

## Controllers/thermostats for fan-coil applications



RCF-230D

### Fan-coil thermostat with on/off outputs

RCF-230D and RCFM-230D are electronic fan-coil thermostats in the RCF range with 230 V AC supply voltage. They are intended for room temperature control via on/off outputs. There are four different operating modes: Comfort, Economy (Standby), Off and Window.

RCF-230D has automatic change-over between heating and cooling and can be used for 2- or 4-pipe systems. RCFM-230D has manual change-over between heating and cooling via the M-button on the front and should be used for 2-pipe systems. The thermostats have a function for 3-speed fan control (for fan-coil), a built-in temperature sensor, backlit display, and an input for a window contact or an occupancy detector.



RCFM-230D

Technical data	
Supply voltage	230 V AC $\pm 10\%$ , 50/60 Hz
Power consumption	< 3 VA
Outputs	Relays for fan control, 230 V AC, 3 A fan-coil Actuator, Triac, 230 V AC, max. 300 mA
Setpoint	5...35°C
Hysteresis	$\pm 0.5$ K (adjustable)
P-band (only RCFM-230D)	10°C
I-time (only RCFM-230D)	300 s
Analogue input	One PT1000
Digital input	One closing potential-free contact
Universal input (only RCF-230D)	One PT1000 or closing potential-free contact
Mounting	Wall
Protection class	IP20

Description	Installations	Change-over function	Type
Room thermostat for fan-coil applications	2- or 4-pipe	Automatic	RCF-230D
	2-pipe	Manual	RCFM-230D



### Fan-coil controller for thermal or 3-point actuators

RCF-230TD and RCFM-230TD are electronic fan-coil controllers in the RCF range with 230 V AC supply voltage. They are intended for room temperature control via thermal or 3-point actuators. There are four different operating modes: Comfort, Economy (Standby), Off and Window.

RCF-230TD

RCF-230TD has automatic change-over between heating and cooling (or heating/heating in the winter) and can be used for 2- or 4-pipe systems. It also has a function for control of an electric heater. RCFM-230TD has manual change-over between heating and cooling via the M-button on the front and should be used for 2-pipe systems. The controllers have a function for 3-speed fan control (for fan-coil), a built-in temperature sensor, backlit display, and an input for a window contact or an occupancy detector.



RCFM-230TD

Technical data	
Supply voltage	230 V AC $\pm 10\%$ , 50/60 Hz
Power consumption	< 3 VA
Outputs	Relays for fan control, 230 V AC, 3 A fan-coil Actuator, Triac, 230 V AC, max. 300 mA
Setpoint	5...35°C
Hysteresis	$\pm 0.5$ K (adjustable)
P-band (only RCFM-230TD)	10°C
I-time (only RCFM-230TD)	300 s
Analogue input	One PT1000
Digital input	One closing potential-free contact
Universal input (only RCF-230TD)	One PT1000 or closing potential-free contact
Mounting	Wall
Protection class	IP20

Description	Installations	Change-over function	Type
Room controller for fan-coil applications	2- or 4-pipe	Automatic	RCF-230TD
	2-pipe	Manual	RCFM-230TD



### Fan-coil controller with 0...10V control signal

RCF-230AD is an electronic fan-coil controller in the RCF range with 230 V AC supply voltage. It is intended for room temperature control via a 0...10 V control signal. There are four different operating modes: Comfort, Economy (Standby), Off and Window.

RCF-230AD

RCF-230AD has automatic change-over between heating and cooling and can be used for 2- or 4-pipe systems. The controller has a function for 3-speed fan control (for fan-coil), a built-in temperature sensor, backlit display, and an input for a window contact or an occupancy detector.

Technical data	
Supply voltage	230 V AC $\pm 10\%$ , 50/60 Hz
Power consumption	< 3 VA
Outputs	Relays for fan control, 230 V AC, 3 A fan-coil Actuator, 0...10 V DC, max. 1 mA
Setpoint	5...35°C
Hysteresis	$\pm 0.5$ K (adjustable)
Analogue input	One PT1000
Digital input	One closing potential-free contact
Universal input	One PT1000 or closing potential-free contact
Mounting	Wall
Protection class	IP20

Description	Installations	Change-over function	Type
Room controller for fan-coil applications	2- or 4-pipe	Automatic	RCF-230AD