

# Controllers and thermostats for fan-coil applications

## Fan-coil thermostat with on/off outputs

Electronic fan-coil thermostats for room temperature control. Automatic or manual change-over between heating and cooling. The thermostats have a function for control of a 3-speed fan (for fan-coil), a built-in temperature sensor, backlit display, and an input for a window contact or an occupancy detector. RCF-230CD has communication via RS485 (Modbus, BACnet or EXOline) for integration into systems.



RCF-230(C)D



RCFM-230D

Technical data	
Supply voltage	230 V AC $\pm$ 10 %, 50/60 Hz
Power consumption	< 3 VA
Setpoint	5...35°C
Hysteresis	$\pm$ 0.5 K (adjustable)
Digital outputs (DO)	Three relay outputs for fan control, 230 V AC, 3 A / Two triac outputs for valve actuators, 230 V AC, 300 mA
Analogue inputs (AI)	One PT1000
Digital inputs (DI)	One closing potential-free contact
Universal inputs (UI)	One PT1000 or closing potential-free contact
Mounting	Wall
Protection class	IP20

Article	Description	Installations	Change-over function
RCF-230D	Fan-coil thermostat	2- or 4-pipe	Automatic
RCF-230CD	Fan-coil thermostat with communication via RS485 (Modbus, BACnet or EXOline)	2- or 4-pipe	Automatic
RCFM-230D	Fan-coil thermostat	2-pipe	Manual

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



RCF-230(C)TD



RCFM-230TD

Electronic fan-coil controllers for room temperature control. Automatic or manual change-over between heating and cooling. 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. RCF-230TD and RCF-230CTD also has a function for control of an electric heater. RCF-230CTD has communication via RS485 (Modbus, BACnet or EXOline) for integration into systems. The hysteresis is freely settable.

Technical data	
Supply voltage	230 V AC $\pm 10\%$ , 50/60 Hz
Power consumption	< 3 VA
Setpoint	5...35°C
Hysteresis	$\pm 0.5$ K
P-band	10°C
I-time	300 s
Digital outputs (DO)	Three relay outputs for fan control, 230 V AC, 3 A / Two triac outputs for valve actuators, 230 V AC, 300 mA
Analogue inputs (AI)	One PT1000
Digital inputs (DI)	One closing potential-free contact
Universal inputs (UI)	One PT1000 or closing potential-free contact
Mounting	Wall
Protection class	IP20

Article	Description	Installations	Change-over function
RCF-230TD	Fan-coil controller	2- or 4-pipe	Automatic
RCF-230CTD	Fan-coil controller with communication via RS485 (Modbus, BACnet or EXOline)	2- or 4-pipe	Automatic
RCFM-230TD	Fan-coil controller	2-pipe	Manual

### EC fan controller for thermal or 3-point actuators



Electronic fan-coil controller for control of EC fans. Automatic or manual change-over between heating and cooling. The controller has a function for EC fan control, a built-in temperature sensor, backlit display, and an input for a window contact or an occupancy detector. It also has a function for control of an electric heater. RCF-230CTD-EC has communication via RS485 (Modbus, BACnet or EXOline) for integration into systems. The hysteresis is freely settable.

Technical data	
Supply voltage	230 V AC $\pm 10\%$ , 50/60 Hz
Power consumption	< 3 VA
Setpoint	5...35 °C
Hysteresis	$\pm 0.5$ K
P-band	10°C
I-time	300 s
Analogue outputs (AO)	One for EC fan control, 0...10 V DC, max. 1 mA
Digital outputs (DO)	Two triac outputs for valve actuators, 230 V AC, 300 mA
Analogue inputs (AI)	One PT1000
Digital inputs (DI)	One closing potential-free contact
Universal inputs (UI)	One PT1000 or closing potential-free contact
Mounting	Wall
Protection class	IP20

Article	Description	Installations	Change-over function
RCF-230CTD-EC	Fan-coil controller for EC fans with communication via RS485 (Modbus, BACnet or EXOline)	2- or 4-pipe	Automatic



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

Electronic fan-coil thermostats for room temperature control. The controllers have automatic change-over between heating and cooling and can be used for 2- or 4-pipe systems. They have a function for control of a 3-speed fan (for fan-coil), a built-in temperature sensor, backlit display, and an input for a window contact or an occupancy detector. RCF-230CAD has communication via RS485 (Modbus, BACnet or EXOline) for integration into systems. The hysteresis is freely settable.

Technical data	
Supply voltage	230 V AC $\pm 10\%$ , 50/60 Hz
Power consumption	< 3 VA
Setpoint	5...35°C
Hysteresis	$\pm 0.5$ K
P-band	10°C
I-time	300 s
Digital outputs (DO)	Three relay outputs for fan control, 230 V AC, 3 A
Analogue outputs (AO)	Two for valve actuators, 0...10 V DC, max. 1 mA
Analogue inputs (AI)	One PT1000
Digital inputs (DI)	One closing potential-free contact
Universal inputs (UI)	One PT1000 or closing potential-free contact
Mounting	Wall
Protection class	IP20

Article	Description
RCF-230AD	Fan-coil controller
RCF-230CAD	Fan-coil controller with communication via RS485 (Modbus, BACnet or EXOline)