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Room controller for Fancoil RRT5C.O

1 continuous outputsignal Change-over (heating / cooling)
with 3-stage slide switch for fan control
Internal or external sensor Djadun F../11
P-Bands heating / cooling separately adjustable
Dead band adjustable
Housing: 128 x 75 x 29 mm, IP30, pure white

Technical data

Electrical data	Power supply	24 Vac (21,6...26,4 V)
	Power consumption	< 1 VA
	Output	0...10 Vdc, max. 2 mA
	Function slide switch	for 4-stage fans 0-1-2-3
	Data slide switch	24/230 Vac, max. 6 (3) A
Functions	Adjustment range	16...26 °C
	Output terminal 3	cooling (da) increases tR - increases Y (see fig. P2.1) heating (ia) increases tR - decreases Y (see fig. P2.1)
	C.O external switching	1-4 open = cooling, 1-4 closed = heating (see fig.P2.1)
	Sollwertkorrektur SK	±4 K, intern einstellbar
	P-Band heating / cooling	separately adjustable 1...5 K (see fig. P2.2 + P2.5) (FS 2 K)
	Dead band	-5 K...+6 K (FS 0,5 K)
	Service function	100 % cooling / 100 % heating (siehe fig. P2.7)
	Temperature probe	internal or external sensor Djadun series F..11
Safety	Protection type / class	IP30 / II
	EMC	EN 55011:2011-04, 55011-103:2013-02
	CE conformity	according to 2014/30/EU
	Ambient temperature	operation 0...50 °C; storage -10...+70 °C
	Ambient conditions	normally polluted air
	Permitted relative humidity	max. 95% RH, no condensation
Mechanical	Connection technology	screw terminals 2,5 mm²
	Housing	ABS 128 x 75 x 27 mm, socket PC (black)
	Weight	about 135 g

Safety information

WARNING! DANGER OF ELECTRIC SHOCK. Dangerous electrical voltage!
Switch off the power before opening the device!
Connection and repairs may only be carried out by a qualified electrician!
The existing safety regulations (e.g. VDE 0100, EN 60730-T1) as well as regulations of the local energy suppliers must be observed. Faults during connection can lead to the destruction of the controller and / or the connected peripheral devices!

Product features

Application	For controlling fan coils
Function	1 continuous output change-over (heating / cooling) with proportional function 1 slide switch for fan levels 0-1-2-3
Control signal	0...10 Vdc change-over heating / cooling
Power supply	controller 24 Vac, switch 24/230 Vac

Order information

Item number	signal	range	Variant
RRT5C.O/21.5-00100	0...10 Vdc	16...26 °C	internal sensor
RRT5C.O/21.5-10100	0...10 Vdc	16...26 °C	for external sensor

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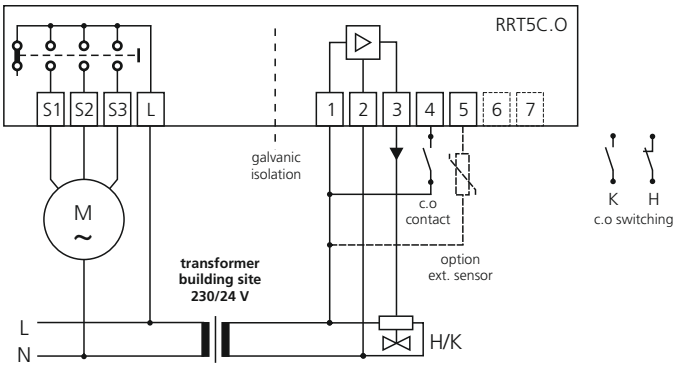
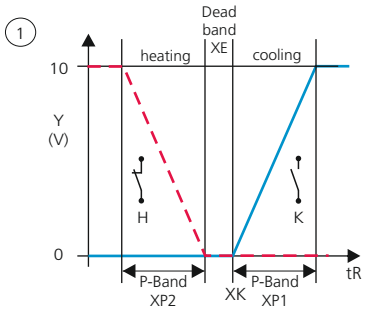
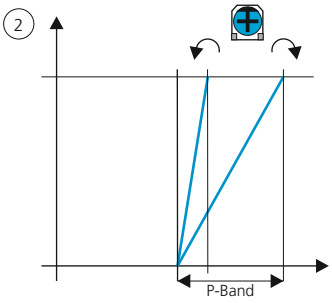
Connection diagram



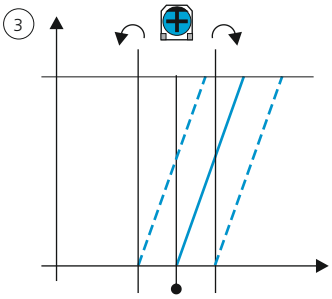
Function diagram RRT5C.O



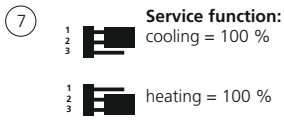
P-Band XP1 (cooling)



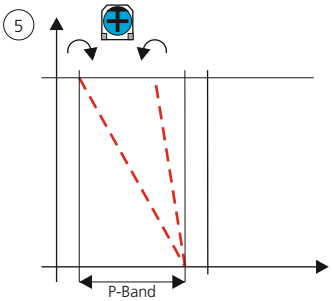
Setpoint correction SK



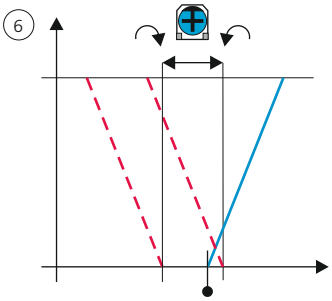
Funktion Jumper



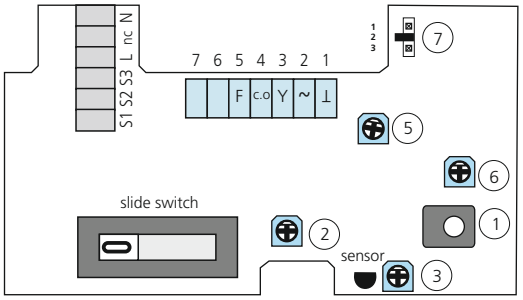
P-Band XP2 (heating)



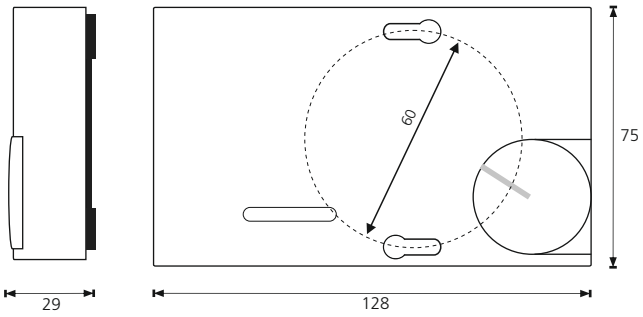
Dead band XE



Circuit Board



Dimensions and drilling plan



① Setpoint adjustment XK
② P-Band XP1 cooling
③ setpoint or sensor correction
④ P-Band XP2 heating
⑥ Dead band XE
⑦ Jumper Service-function

- Remove adjustment knob
- Set stops to temperature range
- Replace adjustment knob
- Check stops