

JOY Fancoil 5DO | JOY Fancoil EC AO2DO | JOY Fancoil EC 3AO

Technical data

Measuring values	temperature, humidity, CO2 (optional)
Network technology	KNX
Measuring range temp.	0..+50 °C
Accuracy temperature	±1 K (typ. at 21 °C)
Measuring range humidity	0..100% rH without
Accuracy humidity	±2% between 10..90% rH (typ. at 21 °C)
Measuring range CO2 (optional)	0..2.000 ppm
Accuracy CO2 (optional)	(5% of measuring value) + 50 ppm
Control function	Setpoint adjustment 0..+50 °C, Fanstages
Display	LCD 2,5", 240x160 px., white backlighting white
Control Functions	integrated PI- and 2-point-/ 3-point-controllers, 2nd control loop: 2-point controller
Enclosure	PC, glass, optional black or white
Protection	IP30 according to DIN EN 60529
Connection electrical	terminal 1..8: terminal block max. 1,5 mm ² terminal 9..12: terminal block max. 1,0 mm ²
Ambient Condition	0..+50 °C, max. 85% rH non-condensing
Weight	195 g
Mounting	flush mounted with standard EU box (Ø=60 mm)



JOY Fancoil 5DO

Output switch contact	3x normally open contact (fan stage, heating & cooling), 24 V, load max. 3 A	
Power supply	24 V = (±10%) or 24 V ~ (±10%)	
Power consumption	max. 3 W (24 V ~)	
Inputs	DI1 input for NTC10k or floating contact	DI2 digital input, for non floating contact

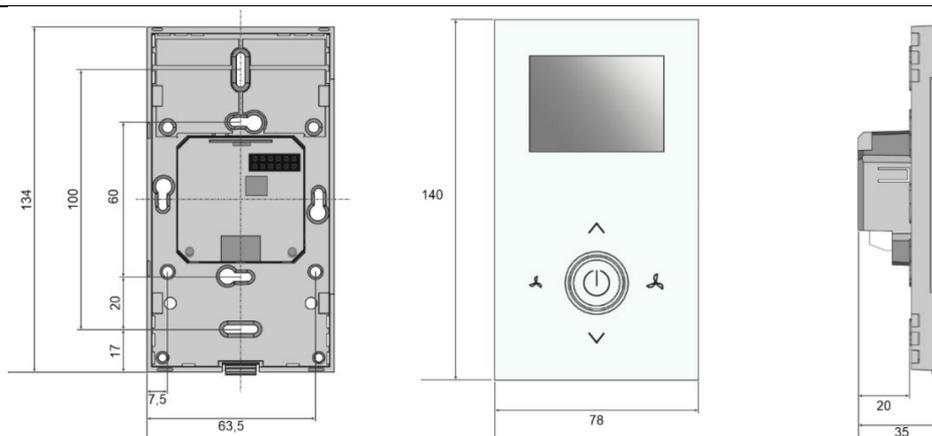
JOY Fancoil EC AO2DO

Output voltage	1x 0..10 V, max. load 5 mA, EC fan control	
Output switch contact	2x normally open contact (heating & cooling) 24 V, max. load 3 A	
Power supply	24 V = (±10%) or 24 V ~ (±10%)	
Power consumption	max. 2,5 W (24 V ~)	
Inputs	DI1 Input for NTC10k or floating contact	DI2 input digital, for non-floating contact

JOY Fancoil EC 3AO

Output voltage	3x 0..10 V, max. load 5 mA, EC fan control, heating & cooling or 6-way valve control (configurable via software)	
Power supply*	24 V = (±10%) or 24 V ~ (±10%)	
Power consumption	max. 2,5 W (24 V ~)	
Inputs	DI 1 1 Input for NTC10k or floating contact	DI 2 digital input, for floating contact

Dimensions (mm)



Additional Dokuments



<https://www.thermokon.de/direct/files/joy-fc-24v-knx-mounting-en.pdf>



<https://www.thermokon.de/direct/files/joy-knx-manual-en.pdf>