

## JOY HC AO2DO | JOY HC 3AO

### Technical data

Measuring values	Temperature, humidity, CO2 (optional)
Network technology	KNX (TP1)
Measuring range temp	0..+50 °C
Accuracy temperature	±1 K (typ. at 21 °C)
Measuring range humidity	0..100% rH non-condensing
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 functions	setpoint adjustment +0..+50 °C
Display	LCD 60x44 mm, 240x160 px, white backlighting
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 EN 60529
Connection electrical	<b>terminal 1..8:</b> terminal block max. 1,5 mm <sup>2</sup> <b>terminal 9..12:</b> terminal block max. 1,0 mm <sup>2</sup>
Ambient condition	0..+50 °C, max. 85% rH non-condensing
Weight	195 g
Mounting	flush mounted with standard EU box (Ø=60 mm)



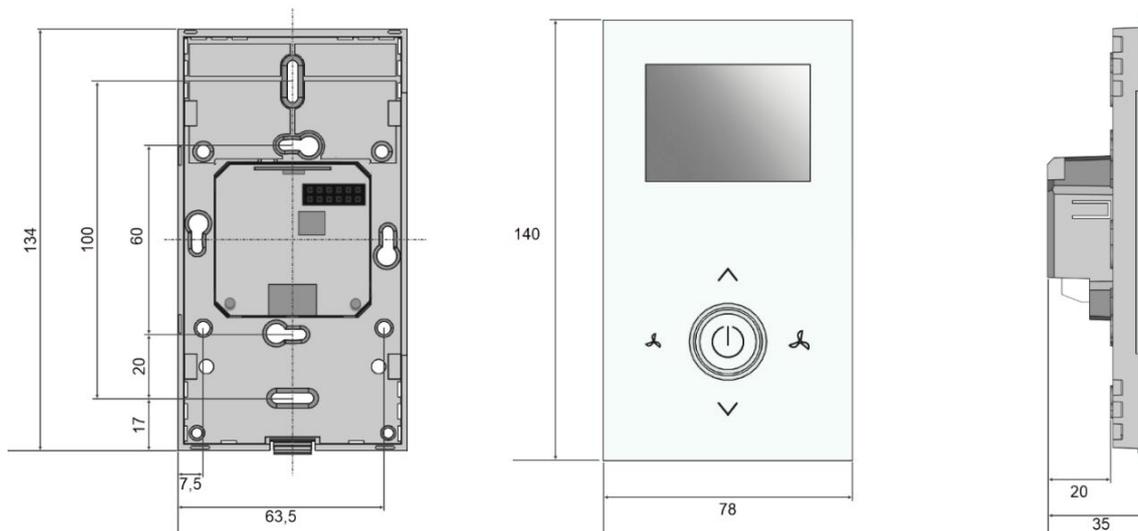
### JOY HC AO2DO

Output voltage	1x 0..10 V, max. load 5 mA, 6-way-valve control	
Output switch contact	2x normally open contact (heating & cooling) 24 V, max. load 3 A	
Power supply	24 V = (±10%) oder 24 V ~ (±10%)	
Power consumption	max. 2,5 W (24 V ~)	
Inputs	<b>DI1</b> input for NTC 10 K or floating contact	<b>DI2</b> digital input for non-floating contact (24 V ~)

### JOY HC 3AO

Output voltage	3x 0..10 V, max. load 5 mA, 6-way-valve control, heating & cooling	
Power supply*	24 V = (±10%) or 24 V ~ (±10%)	
Power consumption	max. 2,5 W (24 V =)	
Inputs	<b>DI 1</b> 1 input for NTC10k or floating contact	<b>DI 2</b> input, for floating contact

### Dimensions (mm)



### Additional Dokumenten

Mounting



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

Manual



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