

INTRODUCTION

When extra cooling is needed, in addition to that from Lindinvent's supply air diffusers, CBF-E can be connected to control a fan coil unit with EC motor. With this solution, cooling and heating will be controlled in sequence. The risk of heating and cooling working in parallel is eliminated. See CBF-S for control of a fan coil with a 3-stage AC-motor.

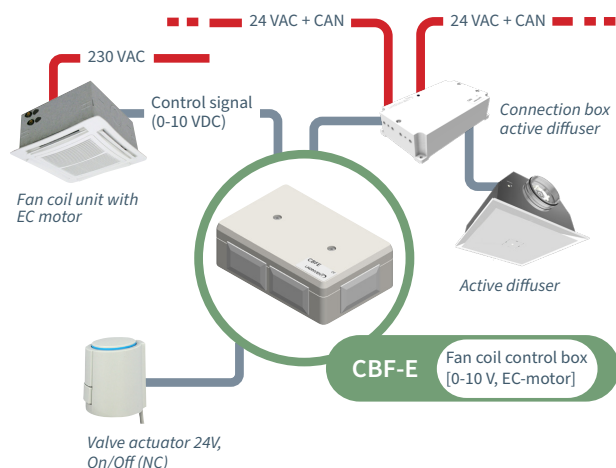


Fan coil control box CBF-E.

FUNCTION

CBF-E is supplied with voltage and a control signal from the connected room climate controller. The fan coil cooling valve opens via a relay when the control signal (0-10 V) exceeds 1 V. CBF-E simultaneously outputs a 0-10 V signal that controls the fan speed proportionally to the signal level.

CONNECTIONS



Connection diagram CBF-E.

TECHNICAL SPECIFICATIONS

General

Dimension (mm): 121x80x41 (LxWxH)

Material

Encapsulation: ABS

PCB: FR4

Net weight: 0,2 kg

Colour

Encapsulation: White, RAL9003

IP-klass

IP44

Temperature limits:

Operation: 10°C to 40°C; <85% RF

Storage: -20°C to 50°C; <90% RF

Electrical system

Power supply: 24 VAC

Effect: 1 VA

CE-marking

Uppfyller EMC och lågspänningsdirektivet.

Signals

Input

0-10 VDC

Output

0-10 VDC

0-24 VAC through relay for valve On/Off (NC)

ADDITIONAL PRODUCT DOCUMENTATION

Download available at www.lindinvent.com

Document	Comment
Installation instruction	The box is attached via screw holes in the bottom. Membrane nippels for easy cable fitting.
Start-up instruction	Function selection and other settings are made on the connected room climate controller.
Maintenance instruction	Regarded as maintenance-free
External connection diagram	Shows how equipment is connected to CBF-E.
Building material declaration	Assessed by Byggsäkerhetsnämnden in Sweden.
AMA-text	Not available.