

CBF-S FAN COIL CONTROL BOX [3-SPEED, AC MOTOR]



Fan Coil control box CBF-S.

INTRODUCTION

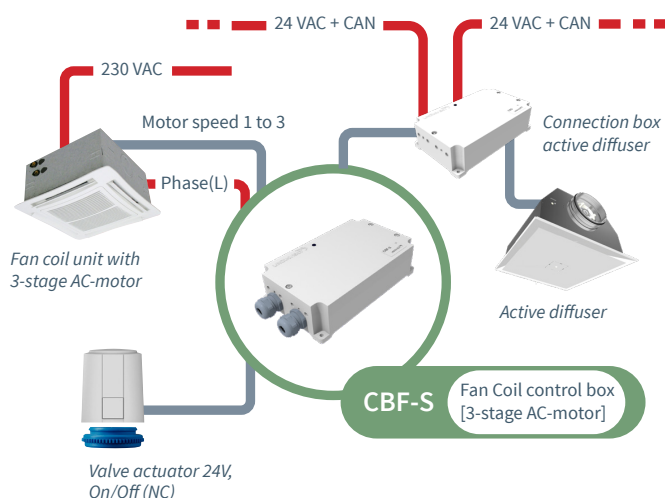
If cooling is needed, in addition to what Lindinvent's supply air device enables, CBF-S can be connected to control a fan coil with a 3-stage AC motor with an associated valve actuator for coolant. See control box CBF-E for fan coils with an EC motor.

FUNCTION

From version B01:

- **Motor Control:** CBF-S can control the fan coil AC-Motor in three adjustable steps. The steps correspond to the cooler's different speed settings.
- **Valve Actuator Control:** An actuator of the On/Off (NC) type opens directly at an adjustable signal level.
Note: The type of actuator has been changed between CBF-S version A01 and version B01.
- **Enclosure:** The enclosure is spacious, making it easy to work with during installation.

CONNECTIONS



TECHNICAL SPECIFICATIONS

Design

Spacious enclosure with pre-installed cable glands for 230VAC. Breakout openings adapted for cables with diameters of approximately 4 to 6 mm. Cables in breakout openings are secured when the enclosure lid is reattached. External ears for easy mounting.
Option: The enclosure can be attached using magnets.

General

Dimensions (mm): 203x105x48 (LxWxH including cable glands)
Material
Enclosure: Polystyrene
Circuit Board: FR4
Net Weight: 0.3 kg

Color

Enclosure: White, RAL9003

IP-Rating

The enclosure has an IP53 rating.

Temperature Limits:

Operation: 10°C to 40°C; <85% RH
Storage: -20°C to 50°C; <90% RH

Electrical System

Supply Voltage: 24 VAC

Power: 2.3 VA

Complies with EMC and Low Voltage Directive.

Signals

Input Signals

1 x 0-10 VDC

Output Signals

1 x 0-10 VDC for valve actuator

3 x relays (potential-free switch function for 230 VAC)

ADDITIONAL PRODUCT DOCUMENTATION

Documents are available at www.lindinvent.com

Document	Comment
Installation Instructions	Attaches via external ears or via magnets. See the external wiring diagram for connections.
Commissioning Instructions	Function selection and parameter settings on the connected room climate controller.
Maintenance Instructions	Considered maintenance-free.
External Connection Diagram	Shows how equipment is connected to the CBF-S.
Environmental Product Declaration	Assessed by Bygghälsan in Sweden.
AMA-text	Not available.