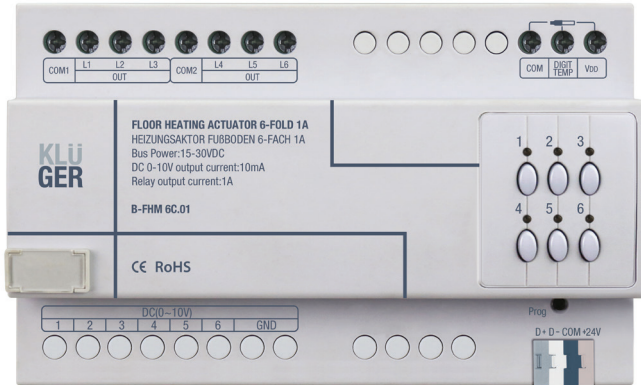


FLOOR HEATING ACTUATOR 6-FOLD 1A HEIZUNGSAKTOR FUBBODEN 6-FACH 1A



Overview

The B-FHM 6C.01 is a six-channel floor heating controller, with a built in PI controller. The module supports 13 digital temperature sensors, with an accuracy of 0.5 °C.

A maximum and minimum floor heating value can be set, which can be used to control the floor temperature in each room. The temperature is able to be adjusted from 5 centigrade to 40 centigrade, with an accuracy of 0.5 centigrade. The unit has inbuilt over heating protection, coupled with sensor failure detection. These features guarantee a long hassle-free service life.

With an innovative purge function, a hydronic floor heating system can be flushed allowing for easy servicing. The purge can either be controlled manually or set as a timed event.

Technical Details

Power supply	DC15~30V
Dynamic Bus power consumption	150mA/DC24V
Static Bus power consumption	30mA/DC24V
Output channels	6
DC 0-10V output current	10mA
Relay output current	1A
Relay unit life time	5,000,000 times
Working temperature	-5°C~45°C
Working relative humidity	Up to 90%
Storage temperature	-20°C~+60°C
Storage relative humidity	Up to 93%
Dimensions	144×90×66 (mm)
Net weight	284.7g
Housing material	Nylon, PC

Installation	35mm DIN rail installation
Protection rating	IP20
CE, RoHS, UL Approved	

Features

- Use digital temperature sensor DS18B20 to detect the temperature, maximum length of the sensor cable is 100 meters.
- 6 channels of separate PI Control, has floor heat, floor cool function.
- Supports electrical AC heat valve and 0-10V electrical heat valve.
- The range of temperature control is 5~40°C, the accuracy is 0.5°C.
- Supports flush function, manually flush or timer controlled.
- Supports master and slave mode.
- Optional multiple mode: Timer, away, home, normal, etc
- Maximum and minimum heating value can be set.
- Expand control: command can be sent to external high-power relay, to control the high-power heater.
- Supports floor over heat protection, supports temperature sensor failure protection

Safety Instructions

- Current in each channel should not exceed 1 A
- Connect breakers or fuses for the electrical heat valve
- The screw down torque should not exceed 0.4Nm.
- The actuator should be installed inside the Distribution box.
- Wrong connections on the bus interface will damage it.
- Never let liquids get into this actuator, it will damage this device.
- Do not allow AC power into the Bus interface, it will damage all the devices in the system.
- Do not let the actuator come into contact with liquids or corrosive gases.
- Ensure good ventilation.

Installation

