Floor heating-Controller, 6-fold, SM

Device for the control of 24 V (DC) thermoelectric or 0 – 10 V valve drives. Suitable for installation in heating distribution system where the use of triacs ensures noiseless switching. An additional relay is integrated for switching of the circulation pump.

- Control of 6 independent heating/cooling circuits
- Control of two thermoelectric valve drives (24 V DC) per channel
- Or control of an analog (0 – 10 V DC) valve drives per channel
- Supply of the thermoelectric valve drives via internal power supply
- 24 V DC output for the supply of continues (0 – 10 V) valve drives
- Integrated controller for the room temperature control
- Switching of two heating/cooling circuit pumps, depending on channel activity
- One integrated relay for switching of the heating/cooling circuit pump
- Switching of the second circuit pump via object

Functionality of the application program:
The following settings can be done for each channel
- Use as actuator or with integrated controller
- Use for heating or heating and cooling
- In actuator mode either on/off or continues control possible
- Summer mode for switching of the output
- Monitoring of actuating/actual value
- Forced mode
- Valve protection
- Limitation of actuating value
- Assignment to heating/cooling circulation pump
- Selection of control parameter
- Emergency program (for loss of actuating/actual value)
- Calculation of the maximum continues actuating value (e.g. for boiler control)

Technical data:
Supply voltage 230 – 240 V AC, 50 – 60 Hz
Valve outputs 6 semiconductor/analog outputs
Output voltage 24 V DC
0 – 10 V DC
(per channel 2 valve drives)
Switching output pump 1 relay output
5 A, 240 V AC
Output integrated power supply 24 V DC, 1,4 A max.
Connections Push/spring terminals
0,2 – 1,5 mm²
Connection KNX pluggable screw terminal
Protection class IP 20, EN 60529
Installation wall mounting
on 35 mm mounting rail to EN 60715
In (floor) heating distribution cabinet
- 5 … + 50 °C
Dimensions (H x W x D) 76 x 290 x 52 mm
Labor:
Manufacturer: ABB STOTZ-KONTAKT
Type: VAA/A 6.24.2
or equivalent
Material:........... Labor:.........