

Controller module F2A

Part no. 78123

Single room temperature controller CosiTherm® - wireless

benefits

- Temperature controller for the connection of thermal actuators
- for manifold systems for heating and cooling
- worldwide access via the AFRISOhome gateway



Application

Controls the temperature of individual rooms in connection with manifold systems for heating or cooling. EnOcean® wireless technology for integration into building automation systems.

Description

The base version of the single room temperature controller CosiTherm® consists of a base module, at least one controller module with two or six independent control circuits and a corresponding number of room temperature sensors. The controller modules can be interconnected in a modular way to account for the number of control circuits/rooms. One room temperature sensor is required per control circuit; the standard version is battery-less and connected to the controller module via the EnOcean® wireless technology. The room temperature sensor measures the actual temperature in the room. The reference temperature is adjusted via the rotary knob of the room temperature sensor or via the app AFRISOhome. The controller module compares the actual temperature and the reference temperature and controls the volume flow of the heating/cooling water via the thermostatic actuators of the manifold system.

The base module features two independently programmable switching channels for temperature reduction, nine programmable memory blocks and a valve and pump protection function. The additional pump running time is adjustable. The terminals of the controller modules are colour-coded for easy assignment to the wires of the thermostatic actuators; in conjunction with the DIN rail snap connectors at the rear of the housing, this facilitates installation.

With an AFRISOhome gateway, it is possible to remotely check and, if necessary, adjust the room temperatures via the AFRISOhome app (for example, when coming back from winter vacation). This flexible remote control of the room temperature combines multiple benefits: you can increase living comfort and reduce energy costs. In conjunction with additional AFRISO smart home products with EnOcean® wireless technology, the user can configure a whole range of fully customisable, extensible applications.

Technical Specifications

Connections

Controller module F2

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max. 2 room temperature sensors and 8 actuators as well as external antenna

Operating temperature range

Ambient: -10/+60 °C

Storage: -10/+60 °C

Base module BM

Controller module

functions

Comparison of actual and reference temperatures,
control of heating/cooling water via connected thermostatic actuators,
connection of two or six control circuits, extensible,
connection to room temperature sensors via EnOcean® wireless technology

Supply voltage

AC 230 V, DC 5 V (via base module BM)

Nominal power

Controller module F2
0.3 W

Housing

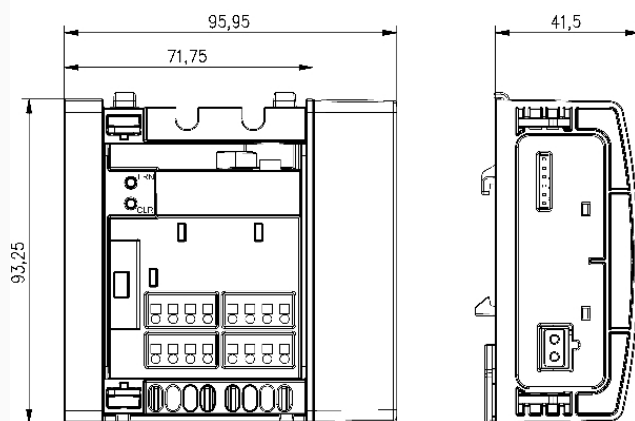
plastic housing (PC/ABS)
Controller module F2
73 x 92 x 45 mm
Degree of protection: IP 20 (EN 60529)

Weight

Controller module F2
130 g

Technical Drawings

Controller module F2



Dimensions (mm)

Versions

Part no.

Controller module F2A	with external antenna , for 2 control circuits	●	78123
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78123

● in-stock items

● Non-stock items