



# 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.

### Versions

|                                                                     | Part no. |
|---------------------------------------------------------------------|----------|
| Base module BM                                                      | 78112    |
| Controller module F2A with external antenna, for 2 control circuits | 78123    |
| Controller module F6A with external antenna, for 6 control circuits | 78124    |

Blue part no. = in-stock items

### 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

Base module BM: Max. 9 controller modules F2 or 3 controller modules F6

Controller module F2: Max. 2 room temperature sensors and 8 actuators as well as external antenna

Controller module F6: Max. 6 room temperature sensors and 24 actuators as well as external antenna

### Operating temperature range

Ambient: -10/+60 °C

Storage: -10/+60 °C

### Base module BM

#### Functions

Power supply of the thermostatic actuators (AC 230 V),

Switchover of the system to "Heating" or "Cooling",

Control of the heating/cooling pumps

#### Supply voltage

AC 230 V, 50 – 60 Hz

#### Nominal power

1 VA

#### Housing

Plastic housing (PC/ABS)

Colour: Light grey, similar to RAL 7047

W x H x D: 122 x 92 x 45 mm

Degree of protection: IP 20 (EN 60529)

#### Weight

215 g

### 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

Controller module F6: 0.5 W

#### Housing

Plastic housing (PC/ABS)

W x H x D

Controller module F2: 73 x 92 x 45 mm

Controller module F6: 162 x 92 x 45 mm

Degree of protection: IP 20 (EN 60529)

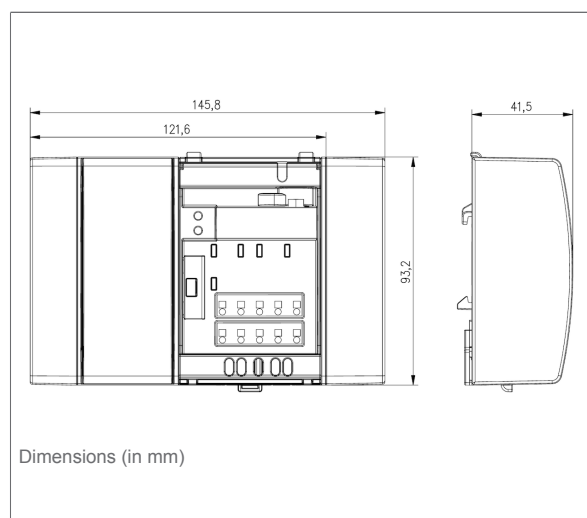
#### Weight

Controller module F2: 130 g

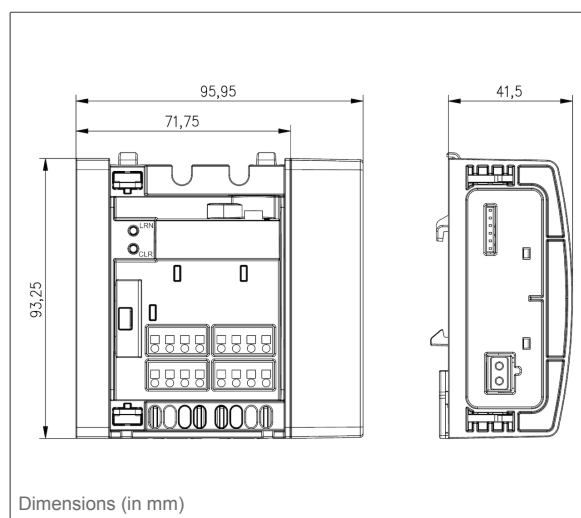
Controller module F6: 260 g

## Technical drawings

### Base module BM



### Controller module F2





### Controller module F6

