



Single room temperature controller CosiTherm® - wired

benefits

- Temperature controller for the connection of thermal actuators
- for manifold systems for heating and cooling
- extremely flat room temperature sensor with a height of 12.5 mm
- Room temperature sensor with wire connection
- Timer module for programming temperature reduction, pump operating time and valve protection function

Application

Controls the temperature of individual rooms in connection with manifold systems for heating and cooling.

Description

The base version of the single room temperature controller CosiTherm® wired 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; it is wired to the controller module. 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. 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.

An optional timer module with display and an integrated hundred-year calendar can be plugged into the base module. It 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; in conjunction with the DIN rail snap connectors at the rear of the housing, this facilitates installation.

Technical Specifications

Operating temperature range

Ambient: -10/+60 °C

Storage: -10/+60 °C

Base module BM

Controller module

Timer module UM

functions

Time data: Date, time, weekday (leap year detection),
automatic switching between daylight saving time and winter time (CEST),
adjustment of temperature reduction,
adjustment of additional pump running time,
Valve and pump protection function adjustment

Temperature reduction

4 K
switching channels: 2, independently programmable
memory blocks: 9 independently programmable

Valve/pump protection function

0/15 min, adjustable

Additional pump running time

0/15 min, adjustable

Supply voltage

DC 3.3 V (via base module BM)

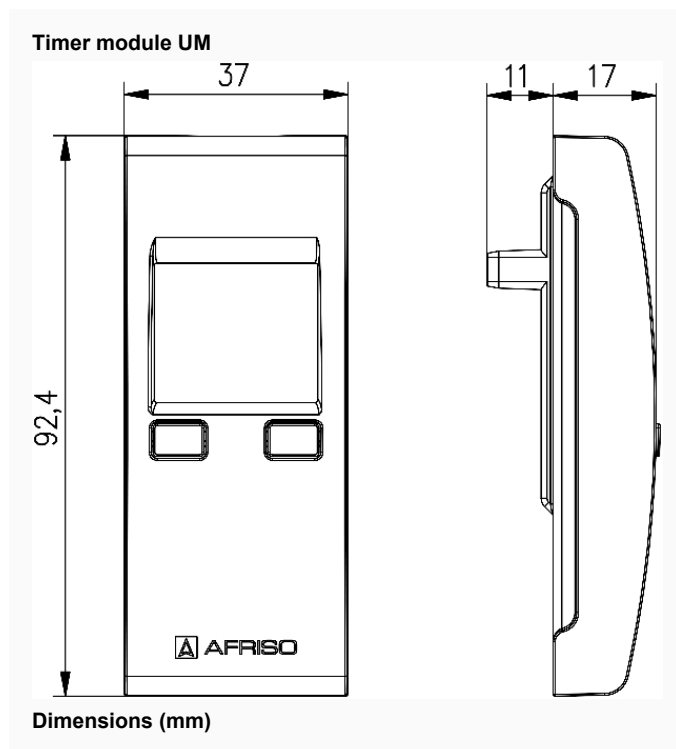
Nominal power

3 mW

Housing

plastic housing (PC/ABS)
Colour: light grey, similar to RAL 7047
W x H x D: 37 x 93 x 28 mm
Degree of protection: IP 30 (EN 60529)

Technical Drawings



Versions

			Part no.
timer module UM	for base module BM		78113

-  in-stock items
-  Non-stock items