



# AVALONCOMBO+

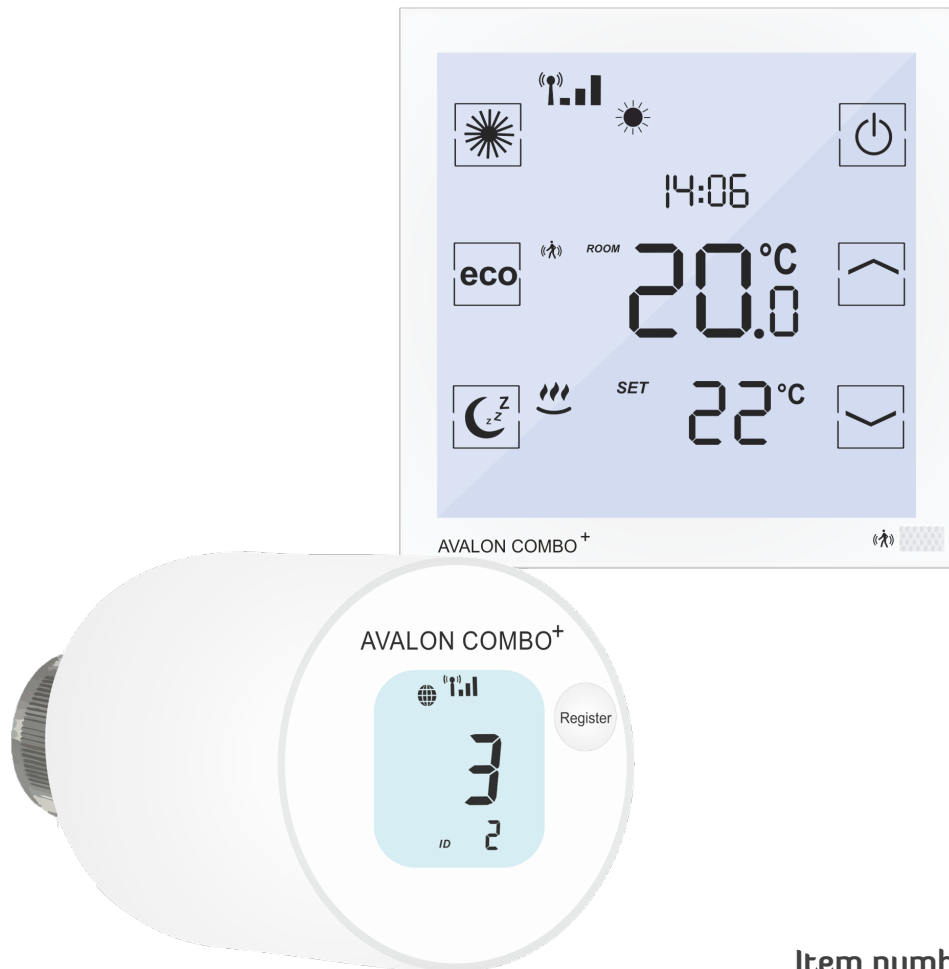
Data sheet

## **Brief description:**

Wireless room thermostat and radiator actuator for radiator control with concealed sensor. With TÜV-certified procedure for independent and self-learning dynamic hydraulic balancing of single and two-pipe heating systems. (Can also be used as thermostatic head with remote sensor). Suitable for large rooms with several radiators that are to be controlled centrally via a room thermostat.

Up to 10 Avalon Combo+ actuators can be controlled by one room thermostat. In combination with Gateway GT-100.

# Avalon Combo<sup>+</sup>



Item number: ACSE-3979

## Properties

- Radio room thermostat and radiator actuator for radiator control
- Up to 10 radiator actuators can be controlled with one radio room thermostat.
- Room temperature display directly on the thermostat.
- Thermostat is equipped with motion sensors.
- Modern touch screen technology.
- Backlit display.
- Battery version Thermostat, 4 x Micro AAA 1.5V
- Battery version actuator, 2 x Mignon AA 1.5V
- Actuator for direct connection to thermostatic valves with M 30 x 1.5 mm threaded connection.
- With window opening detection.
- In conjunction with Gateway GT-100.
- Even in the event of an Internet failure, the devices continue to communicate with each other, only control via the app is not possible.
- Easy and convenient to operate and install.
- Control at the thermostat or via the blossom-ic app at any time while on the move.
- Data protection: All data is stored exclusively on your personal gateway.

# Scope of application

## Avalon Combo+ Thermostat

Wireless room thermostat in combination with the Avalon Combo+ radiator actuator for radiator control. The room thermostat serves as a reference value for the temperature and enables the sensor to function. The radio room thermostat can control up to 10 actuators in combination with Gateway GT-100.

## Avalon Combo+ Actuator

Radiator actuator in combination with an Avalon Combo+ radio room thermostat to control the heat sink. Actuator for direct connection to an M30 x 1.5 mm thermostatic valve. 10 actuators can be controlled via radio room thermostat. In combination with the Gateway GT-100.

## Gateway GT-100

To control Avalon Combo+ via the Internet, simply and conveniently using the blossomic app. The blossomic app is available for all smartphones and tablets with iOS and Android.

# Radio Frequency Communication

- blossomic RF: 2.4GHz, ISM Band, 16 channels
- Range: up to 50 m in buildings
- Technology blossomic RF: 2.4 GHz radio with 250kbps, offset quadrature, data in 5.0 MHz channels

# Technical data

### Technical data - Avalon Combo+ Thermostat

Target value range	6 ~ 30°C
Ambient temperature	0 ~ 50°C
Ambient humidity	90% (non-condensing)
Power	4x Micro AAA 1.5V, Batterie
Dimension	L86 x B86 x H42 (mm)
Wireless frequency	2.4GHz, ISM Band, 16 Kanäle
Protection class	IP 30
RF-Test	RED 2014/53/EU
CE	Available
RoHs	Available
Type of antenna	PCB Antenne

### Technical data - Avalon Combo+ Actuator

Ambient temperature	0 ~ 50°C
Ambient humidity	90% (non-condensing)
Power	2x Mignon AA 1.5V, Batterie
Dimension	L110 x Ø 58 mm
Wireless frequency	2.4GHz, ISM Band, 16 Kanäle
Protection class	IP 30
RF-Test	RED 2014/53/EU
CE	Available
RoHs	Available
Type of antenna	PCB Antenne

**blossom-ic Smart Home System with TÜV-certified procedure for independent and self-learning dynamic hydraulic balancing of single and two-pipe heating systems.**

- > Unique method - fully automatic, autonomous and adaptive
- > No intervention in existing pipeline network and hydraulics necessary
- > Short assembly times
- > Up to 30% energy saving
- > TÜV certified

Please note: The sensor must not be covered.  
Functional range of the sensor = 110° functional cone.

# *blossom-ic*



intelligent controls

**blossom-ic GmbH & Co. KG**

Oberer Buxheimer Weg 60, 87700 Memmingen, Germany

**P:** +49 8331-756 965 80 **E:** [info@blossomic.de](mailto:info@blossomic.de)

**W:** [www.blossomic.de](http://www.blossomic.de)