

## Technical Data



PID (proportional–integral–derivative) is a technology that stands for foresighted, precise controlling programme logic. Therefore the control enables a very quick and fine programme implementation. That ensures a linear heating curve.

## Functions

<b>dimensions:</b>	controller 7,5 x 5,5 cm header 8 x 5 x 3,5 cm
<b>summer/ winter time:</b>	automatic switching
<b>tripping sensitivity:</b>	0,1°C
<b>control range:</b>	8–28°C, plus valve open/ON and shut/OFF
<b>batteries:</b>	2 x AA/Mignon (not included); usual service life: 2 heating periods
<b>factory default settings:</b>	from 7:00 a.m. – 21°C, from 10:00 p.m. – 16°C

### hand feed:

is possible at any time. The manual chosen temperature is prior until the next programme period.

### weekly timer:

6 individually programmable switch points per day, the smallest switch interval is 10 minutes. Setting of individual day-blocks possible.

### open window detection:

If the thermostat registers a significant drop in temperature (airing out the room) the valve will close automatically and reopen after 10 minutes.

### anti-calcification function:

To prevent calcification of the valves, SPARmatic AVANTgarde runs an anti-calcification programme once a week.

furthermore:

**vacation and summer programme, antifreeze function**

# SPARmatic AVANTgarde



saving energy  
and heating costs  
with highest  
user comfort

noiseless gear

flexible display

5 years guarantee

quality made in Germany

## Principle

**More comfort - less heating costs.** The pro-active thermostat SPARmatic AVANTgarde warms your rooms whenever you wish – for example: it starts half an hour before you get up and stops when you leave the house.

The easy handling allows you to programme your desired daily or weekly heating- and saving-periods. No more turning the thermostat regulator all the time! You set the heating- and saving-periods by programming the thermostat and SPARmatic AVANTgarde manages the temperature accordingly. Six switch points per day allow an individual adjustment to your daily routine.

Different time profiles provide different heating times for the weekend. SPARmatic AVANTgarde is perfectly suitable for heating all kind of rooms as bath, kitchen, childrens room, living and sleeping room or office.

Also commercial rooms belong to the range of application as the programme ensures that the temperature should only be comfortable during the working hours. The thermostat starts the savings period at the end of a working day.

**This reduces the heating cost up to 30%!**

## Sample programme



## integrated radiator connection

for an easy, tool-free **montage directly at the radiator**

## display

shows operating mode, set point and programme status

## key block

for programming time and temperature, switching to „manual control“, switching to child protection

## header (1) and controller (2)

are seperable from each other and connected by a thin cable

**Easy montage without tools and without grime** because the hot water circuit is not opened and thus no water can escape.

Unscrew the old thermostat – screw on SPARmatic AVANTgarde. A self test is running and SPARmatic AVANTgarde is ready for use in its basic programme.

**The flexible, detachable display** enhances the user comfort. Thus you can mount SPARmatic AVANTgarde even at radiators with a badly accessible thermostat.

You can turn the header or detach it completely. Place it where the display is visible, e.g. at the wall or at the window sill.

Connected by a thin cable you can control SPARmatic AVANTgarde at any time. So you have a very comfortable remote sensor function.

## Handling



## Montage

