

# EUROSTAR

## Energy-saving thermostat sensor SPV 5

**Advantages: Save energy through controlled regulation**

**a. No more unintentionally overheated rooms**

**b. Function control of the heater with cooled down radiator (caused by thermostat sensor switching off when target temperature is reached).**

The SPV 5 is equipped with a **thermometer chip** which permanently displays the room temperature. This means that you have the possibility to monitor the actual desired room temperature and adjust it to right setting. **This helps to prevent overheated rooms.** Extensive studies have shown that individual rooms had raised temperature of up to 5° Celsius. The reason lies in the fact that most thermostat sensors do not display exact degree figures but only numbers meaning that many people set the room temperature according to their personal warmth perception.

**This often leads that rooms being heated to a greater extent than actually intended.**

And precisely here lies a great potential for saving with little effort.

The SPV 5 is a state-of-the art thermostat sensor **equipped** with a digital **room thermometer**.

**A 1°C increase in room heat requires approx. 6 % more energy.**

**With e.g. 5° of undesired increased room temperature, up to 30 % energy can be saved.**

The thermostat sensor is equipped with an M-30X 1.5 mm thread which fits to most commercially available valve bodies. The front slewing ring serves to realign the thermometer chip following an adjustment of the thermostat. The setting display is also the locking slide to firmly block the setting. (Similar to public building/high traffic models).

We wish you many years of enjoyment with this new energy-saving sensor from HG-TEC.

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HG-TEC thermostat head SPV 5 for the proportional and exact regulation of radiator valves without auxiliary power. With integrated digital temperature display to control the measured actual temperature.

### Technical data:

#### **Thermostat head:**

Connection thread ring M 30 x 1.5,

Liquid sensor with integrated expansion elements,

Dimensions: Length ~97mm, diameter ~ 55mm,

Frost protection identifier,

Frost proof at 6°C

Characteristic data: 1 – 5 (\* = frost protection function)

Temperature range: 6 ~ 28°C

#### **Compatible with valve bodies M 30 x 1.5 e.g.**

HGT, Heimeier, MNG, Junkers, Landis&Gyr "Duodyr", Honeywell- Braukmann from 1995, Oventrop from 1999 30x1.5, Schlösser, Simplex, Valf Sanayii, Mertik, Maxitrol, Watts, Wingenroth (Wiroflex), R.B.M., Tiemme, Jaga, Kermi

Not compatible with e.g. Danfoss, Oventrop, Vaillant M 30 x 1.0 (with adapter)

#### **Digital thermometer:**

Electronic digital thermometer

Measuring frequency: approx. 60

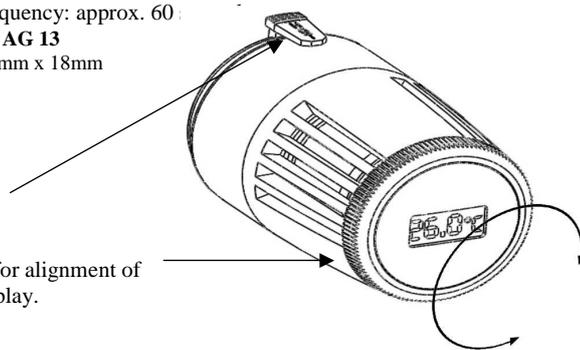
Battery: Type **AG 13**

Display area: 9mm x 18mm

#### **Features:**

Locking slide

Slewing ring for alignment of the digital display.



## Mounting:

The HG-TEC thermostat heads are replaceable without draining the heating water.

1. Turn thermostat head as far as it will go.
2. Turn locked nut (Point 1) on the old valve counter clockwise.
3. Remove the thermostat head.
4. Turn new SPV 5 thermostat head as far as it will go.
5. Place the SPV 5 on the valve so the centring marking is up and snapped in (Point 2)
6. Manually turn the locked nut carefully and without force. Tighten lightly with a suitable tool. (Caution: Do not damage threading!)
7. Set the thermostat head to the desired setting number (e.g. number 3 approx. 20°C), align the digital display vertically using the front slewing ring and remove the insulation film (battery).
8. Compare the actual temperature measured on the sensor with the personally desired target temperature and set the thermostat head accordingly.

## Replacing the battery:

Using a small screw driver, lever the front cap open at the notch (Point 3) and remove. Take out the battery carefully on the bottom of the electronics and replace the new battery (**Type AG13**) paying attention to the polarity. (Caution: Do not touch the circuit board) Carefully replace front cap and snap on. Orient the display again horizontally.

Number	*	1	2	3	4	5
~ °C	6	12	16	20	24	28

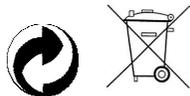
## Other information:

### **Disposal information**

#### **Do not dispose in household rubbish!**

Electronic devices and batteries must be disposed of corresponding to the guideline on electrical and waste electronic devices at the local collection points for waste electronic equipment!

The CE label is a free trade labels which is directed exclusively to the authorities and contains no guarantee of properties.



### **Safety information**

Please do not leave packaging material lying around; it can become a dangerous toy for children.

The thermostats are not toys. Please do not allow children to play with them. Only open the device at places described on the package. The electronic, the thermostatic and the battery components are dangerous.

**Subject to technical changes.**