

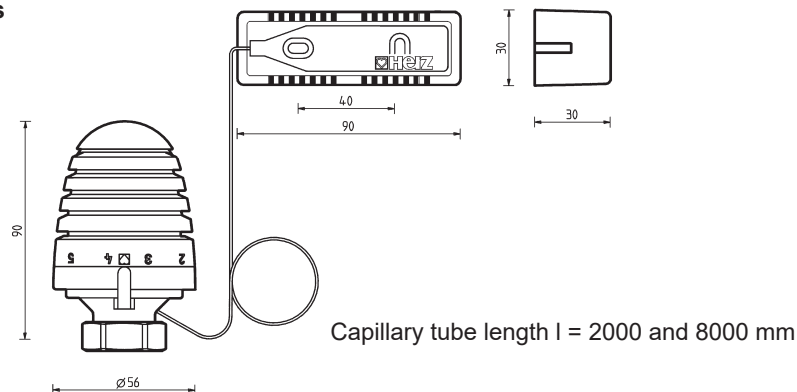
# HERZ-Thermostat M 28 x 1,5

## Thermostatic heads with remote sensor

Data sheet **9430/9460**, Issue 1022

### HERZ-Thermostatic heads with remote sensor

**9430**  
**9460**



### Models

- 9430** 1 **9430 08 Design thermostat with remote sensor** consisting of a remote sensor, capillary tube  $l = 2000$  mm and thermostat with liquid sensor (hydrosensor) with "0"-position; adjustable frost release, limitation and locking of selected temperature range, white handwheel.
- 1 **9430 18** capillary tube  $l = 8000$  mm
- 9460** 1 **9460 06 Design thermostatic head with remote sensor** consisting of a remote sensor, capillary tube  $l = 2000$  mm, and thermostat with liquid sensor (hydrosensor) with automatic frost release, limitation and locking of selected temperature range, white handwheel.
- 1 **9460 18** capillary tube  $l = 8000$  mm

- Technical data** set point range **9430:** 0-30 °C  
**9460:** 8-28 °C
- frost protection 8 °C
- The HERZ-thermostat with remote sensor is maintenance-free.

### Field of Application

Suitable for mounting on all HERZ-valves suitable for thermostatic operation.  
For order numbers, dimensions and delivery forms of HERZ-valves consult the respective data sheets.

### Funktion

The HERZ thermostat senses and controls the room temperature. The change in volume of the liquid filling in the HERZ hydrosensor moves the valve's push spindle.

### Design

The attractive design of the HERZ-thermostat was developed in cooperation with "Porsche Design GmbH", Ferdinand A. Porsche, A-5700 Zell am See.

### Setting options

By setting the scale marks opposite the pointer it is possible to achieve approximately the following temperatures in the room. Deviations of a few degrees of temperature (K) are possible according to the mode of installation and the design of the heating system.

### Handwheel scale

Mark	*	1	2	3	<input checked="" type="checkbox"/>	4	5	6
~ °C	8	10	13	17,5	20	22	25	28

### Maximum temperature

Thermostat **9430:** Turning anti-clockwise up to the maximum position (preset by manufacturer) corresponds to approximately 30 °C.

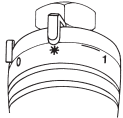
Thermostat **9460:** Scale mark "6" corresponds to approximately 28 °C.

☑ **Comfort point** ☑



Position „☑“ corresponds to a room temperature of approx. 20 °C and represent optimum comfort, energy savings and heating comfort.

☑ **Frost release** \*



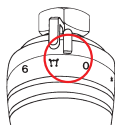
In the “\*” position, the valve opens automatically at an ambient temperature of approx. 8 °C, thus preventing the system from freezing up.

☑ **Shutoff thermostat 9430**



In the “0” position the thermostatic valve is shut off and the frost release is turned off. This is not a mechanical shutoff of the thermostatic valve; “\*” must be set to ensure protection against frost.

☑ **Pre-setting by manufacturer**



The pre-set stop limit is shown by a point mark and corresponds to the entire turning range.

☑ **Summer position**

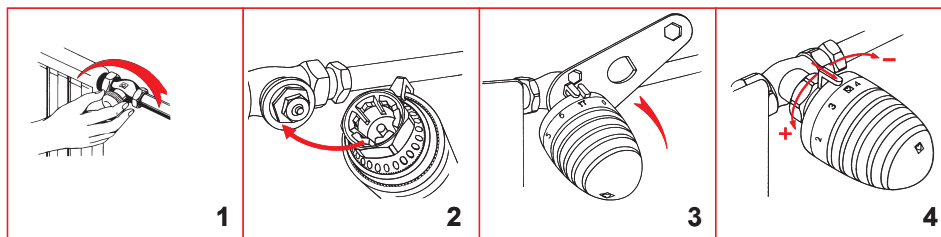
After the end of the heating period, open thermostats completely by turning anticlockwise to prevent the formation of dirt deposits at the valve seat.

☑ **Theft protection**

Theft protection clips are available which are fitted over the fastening nut.

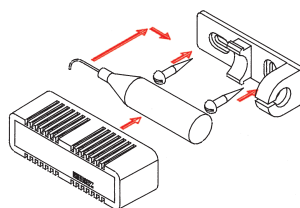
☑ **Thermostatic head installation**

1. Unscrew cap of handwheel from the thermostatic valve lower part.
2. Place the thermostatic head in the “completely open” position onto the lower part of the valve (as pre-set by the manufacturer) in such a way that the anti-twist lock engages and the pointer is clearly visible.
3. Do up the union nut and tighten gently (key SW 30).
4. Test for proper functioning by turning the handwheel.



☑ **Remote sensor installation**

- Fasten the bracket delivered with the sensor on the wall by means of adhesive tape or screw onto the wall. Screws and dowels Ø = 6 mm, as well as adhesive foil are enclosed.
- Snap the sensor element into the bore.
- Snap the casing onto the bracket with the sensor element installed.



### ☑ Important for installation

Under no circumstances should the sensor element of the HERZ-thermostat be exposed to direct sunlight or to the effects of equipment emitting relevant quantities of heat (e.g. TV-sets). If the sensor element is covered, e.g. by panelling or heavy curtains, this will cause heat accumulation zones in which the hydrosensor cannot sense the room temperature properly and consequently is not in a position to control it. In these cases, use HERZ-thermostats with remote control.

### ☑ Accessories

- 1 **6640** 00 HERZ universal key, for opening theft protection
- 1 **6807** 90 HERZ-TS-90 Universal key
- 1 **9551** 00 Limiting pins for limiting and locking the set temperature range
- 1 **9552** 03 Theft protection (snap clips), to be opened with key 1 **6640** 00

## Adjustments for Limiting and Locking the Set Temperature Range

### Limitations

#### Personal Comfort Point Adjustment

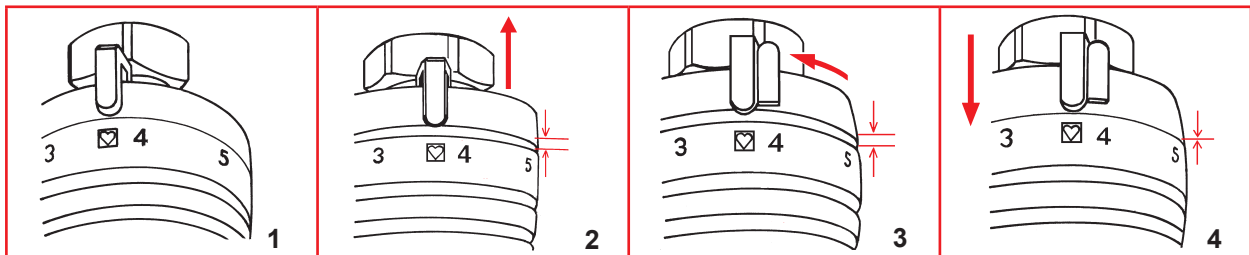
By changing the position of the click-in limiting pin ring the personal comfort point can be adjusted to a maximum or a minimum limit. The thermostatic heads are delivered with the full temperature range available.

#### Procedure

- Turn handwheel to the desired position (fig. 1).
- Release limiting pin ring in the direction of the valve (one notch) and turn in such a way that the limiting pin is positioned to the left (lower limit) or to the right (upper limit) of the pointer (fig. 2 and 3).
- Click-in the adjusted limiting pin ring (fig. 4).
- Depending on the adjustment, the thermostatic head can now be turned up to the desired position or from there to the maximum position.

This comfort point adjustment can be changed or cancelled at any time.

The pre-setting by the manufacturer is shown by a point mark and corresponds to the complete temperature range.



### Concealed Limitation or Locking

Setting one or two plug-in limiting pins permits limitation or locking of the temperature range in such a way that it is concealed and cannot be changed by any unauthorized person.

The limiting pins are available as accessories. Set: Art. No. 1 **9551** 00.

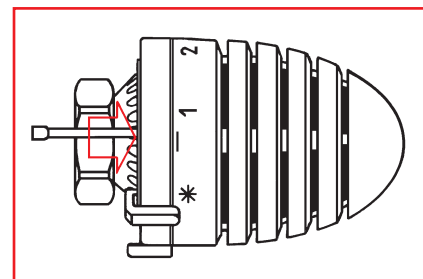
#### Procedure:

The base of the lower side of the thermostatic head is equipped with a circle of holes for the limiting pins.

- Set the hand wheel of the thermostatic head to the desired limitation or locking position.
- Between positions “\*” and “1” of the handwheel scale there is a crossline which marks the point where the limiting pins are to be placed.

The procedure is basically the same as for “Limitations” (see above).

- Lower Limit:  
Insert pin in the hole aligning with the left end of the line.
- Upper Limit:  
Insert pin in the hole aligning with the right end to the line.
- Locking to one Setting:  
Insert one pin at each end of the line.
- The limiting pins must be inserted up to the stop (enlargement). They can be removed with an appropriate tool (flat pliers, etc.).



**Disposal**

The disposal of HERZ thermostatic head must not endanger the health or the environment. Local and currently valid legislation must be observed for disposal.

**Brass**

Pursuant to Article 33 of the REACH Regulation (EC No. 1907/2006), we are obliged to point out that the material lead is listed on the SVHC list and that all brass components manufactured in our products exceed 0.1% (w / w) lead (CAS: 7439-92-1 / EINECS: 231-100-4). Since lead is a component part of an alloy, actual exposure is not possible and therefore no additional information on safe use is necessary.

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