

# THERMOSTATIC HEAD



Modern, linear, attractively designed thermostatic head with liquid sensor. The mechanical components are made of solid plastic, and are compact in size. Limitation and blocking of the control wheel to the desired temperature is intuitive, rapid and easy to perform.

Technical coefficients and performance are fully compliant with EN 215 and TELL standards (System of Classification of the Energy Efficiency of Thermostatic Valves).

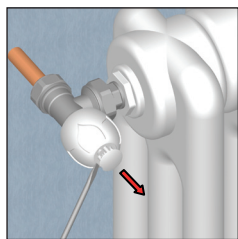
CODE	ITEM	DESCRIPTION
821100AC20	1100	M28 Thermostatic control device with liquid sensor
821101AC20	1101	M30 Thermostatic control device with liquid sensor
821099AC07	1099	M28 Thermostatic control device with liquid sensor and chrome plating

## TECHNICAL SPECIFICATIONS

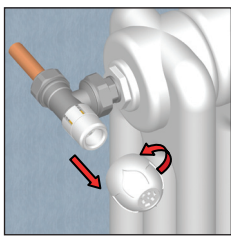
<b>Performance</b>	
Minimum set point:	min ts 7°C - freezing protection position *
Maximum set point:	max ts 28°C - position 5
Energy saving and comfort setting:	20°C - position 3
Maximum operating pressure:	PN 1000 KPa
Maximum differential pressure:	$\Delta p$ 100 KPa
Nominal flow rate "qm N" ( $\Delta p=10$ KPa) for angle-straight valves:	qm N 191 to 195 Kg/h
Maximum operating temperature:	120°C
Hysteresis:	C 0.28 K
<b>Materials</b>	
Knob and stop ring:	RAL 9010 ABS White - Chrome.plated
Body and transmitter:	RAL 9010, PA6 30% F.V. - Chrome-plated
Sensor liquid:	Thermostatic ethyl acetate
Connection ring:	CW614N, Chrome-plated brass - UNI 12164
Compensation pin:	CW614N Brass - UNI 12164
Compensation pin spring:	Steel

# INSTALLATION AND REGULATION OF THE THERMOSTATIC HEAD

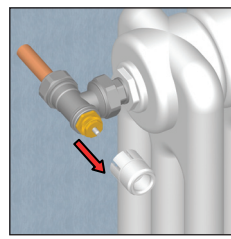
## INSTALLATION OF THERMOSTATIC CONTROL DEVICE



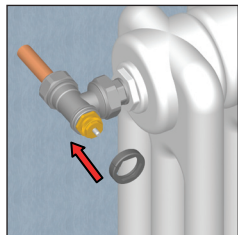
Remove the protective cover from the knob using a small screwdriver.



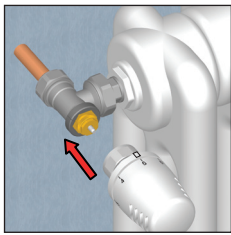
Turn the knob in the counter clockwise direction to remove it completely from the valve.



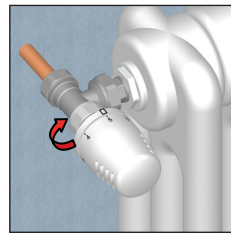
Unfasten the white adapter when present from the valve body by simultaneously pulling and bending it.



Mount the grey ring supplied with the thermostatic control device on the valve body when needed. Keep the hexagonal socket drive turned toward the operator.

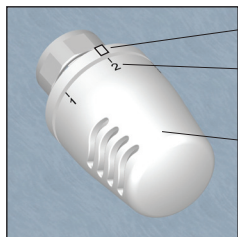


Set the control device to setting 5 and install the device on the valve body. Keep the indicator turned upward so that it is clearly visible.



Fasten the thermostatic control device to the valve and screw the chrome-plated ring completely onto the grey ring. Tighten with a suitable wrench.

## TEMPERATURE ADJUSTMENT

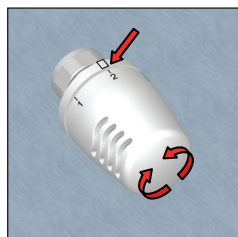


INDICATOR  
ADJUSTMENT  
SCALE  
KNOB

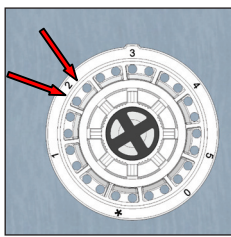
The knob indicates the numbers from 0 to 5, which correspond to specific temperatures (see the adjustment scale shown at side). Set the desired temperature simply by turning the knob to the corresponding number close to the indicator.

ADJUSTMENT RANGE						
0°C	7°C	12°C	16°C	20°C	24°C	28°C
0	*	1	2	3	4	5

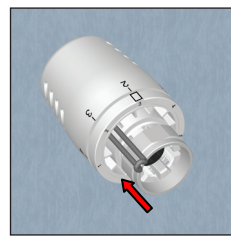
## BLOCKING OF TEMPERATURE



Turn the thermostat control device knob to one of the setting numbers from 0 to 5 shown on the knob. In the example shown the knob is set to no. 2.

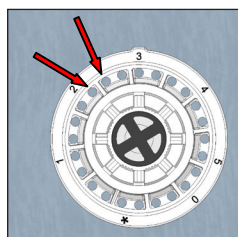


The same numbering is also indicated on the lower part of the control device. Identify the hole located before and the one located after the number set.

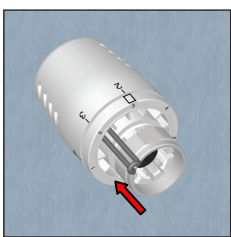


Insert the stop forked pin inside these two holes and push until completely inserted. The knob is now blocked at the desired setting.

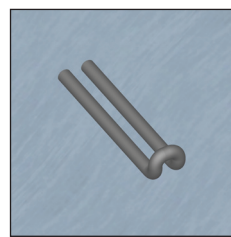
## LIMITATION OF TEMPERATURE



In order to limit the temperature, simply identify the two holes located right after the number set.



Insert the stop forked pin inside these two holes and push until completely inserted. The knob is now able to move from 0 to the number set.



The forked pin is sold separately from the control device.

FORKED PIN CODE:

111100AC06