



T100V/VM

Thera-Van

Thermostat with theft protection

APPLICATION

Thermostats of this type have a theft-resistant, heavy duty design and were specially designed for use in public buildings such as offices, schools, barracks or hospitals.

A Radiator Thermostat is installed onto a Thermostatic Radiator Valve Body (TRV body). The combination of both, the Thermostatic Radiator Valve (TRV), controls the room temperature by adjusting the flow of hot water through a radiator.

TRVs are installed in water-based heating systems on the supply or, less commonly on the return connection of radiators.

Honeywell Home radiator thermostats with Honeywell Home (HW) M30 x 1.5 connection are suitable for all TRV body and radiator inserts with M30 x 1.5 connection and 11.5 mm closing dimension.

FEATURES

- Thermostat resists extreme loads
- Thermostat can only be removed with special tool
- Setting with set point numerics
- Adjustment of the fixed set point with a setting key (T100V-101 and T100VM-101 only)
- Lock disk against unauthorized adjustment (T100V-101 and T100VM-101 only)
- Reliable wax-filled sensing element

SPECIFICATIONS

Thermostat connection:	M30 x 1.5
Set point range:	
T100V-101 and T100VM-101:	※ - 1 - 6
T100V-241 and T100VM-241:	※ - 1 - 4
	preset to "4" (20 °C / 68 °F)
Temperature range:	
T100V-101 and T100VM-101:	6 - 26 °C (43 - 79 °F)
T100V-241 and T100VM-241:	6 - 20 °C (43 - 68 °F)
Hysteresis:	1.0 K
Influence of differential pressure:	0.72 K
Influence of heating medium:	0.9K
Response time:	24 min
Bending force:	> 1000 N
Closing dimension:	11.5 mm



DESIGN

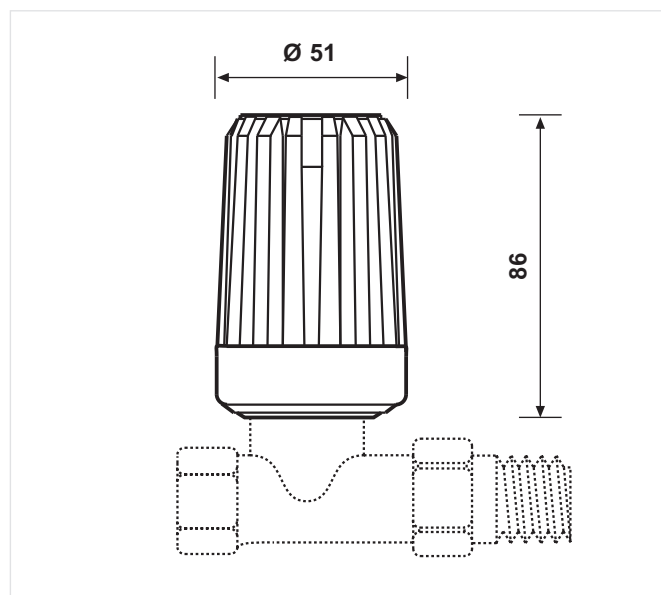
The radiator thermostat consists of:

- Housing
- Sensor with support cage
- Wax-filled sensing element

MATERIALS

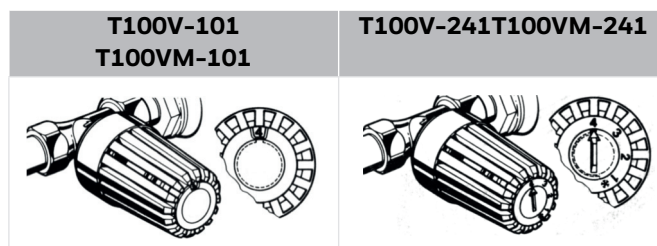
- Housing and spindle assembly made of shock resistant, high-quality plastic, white to RAL9016
- Sensor filled with wax
- Connection nut made of nickel-plated brass

DIMENSIONS



Note: All dimensions in mm unless stated otherwise.

SET POINT



Tab. 1 Thermostats T100V-101 and T100VM-101

Set point	❄	1	2	3	4	5	6
°C	6	8	12	16	20	23	26
°F	43	46	54	61	68	73	79

Tab. 2 Thermostats T100V-241 and T100VM-241

Set point	❄	1	2	3	4
°C	6	8	12	16	20
°F	43	46	54	61	68

Note: All °C and °F-values approximate. Heating can freeze when radiator thermostats with zero-position are set at position '0'. Zero-position is also thermostatically controlled - when temperature falls the TRV may open.

Note: All °C- and °F-values specified at ideal incident flow. This can differ from stated values depending on installation position and air flow.

ORDERING INFORMATION

Tab. 3 Available versions and OS-Nos (OS=Ordering Specification)

Series	Type	Connection	For valve series	OS-No.
Thera - Van				
101	Temperature range fixed with lock disk (6 - 26°C / 43 - 79°F)	M30 x 1.5	V2000 V100	T100VM-101 T100V-101
241	Temperature range variable (6 - 20°C / 43 - 68°F)	M30 x 1.5	V2000 V100	T100VM-241 T100V-241

ACCESSORIES

	Description	Dimension	Part No.
	WT100V	Special tool to remove thermostat	
			WT100V
	AS100V	Screw lock	
		5 pieces, for T100V-101 and T100V-241	AS100V
		5 pieces, for T100VM-101 and T100VM-241	AS100VM
	FS100V	Lock disk	
		5 pieces, for T100V-101 and T100VM-101	FS100V

PLEASE NOTE:

- To avoid stone deposit and corrosion the composition of the medium should conform with VDI-Guideline 2035
- Additives have to be suitable for EPDM sealings
- System has to be flushed thoroughly before initial operation with all valves fully open
- Any complaints or costs resulting from non-compliance with above rules will not be accepted by Honeywell Home
- Please contact us if you should have any special requirements or needs

For more information

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Subject to change

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