



# Instantor®

Technical Specification  
Thermostatic Radiator  
Valve



Product Code	771095, (TRV singly) 771096 (TRV and lock-shield pack) IP771096 (TRV with built in Euro cone bottom connection)
Description	Thermostatic Radiator Valve.
Size Range	½" compression nut and Male threaded rad insert connection & 16mm compression Multilayer connection.
Colour	Chrome plated and white head.
Settings/temperature range:	6 - 28°C
Max Operating Temperature:	110°C
Max Operating Pressure:	10 Bar
Max operating differential pressure :	0.6 Bar
Hysteresis:	0.8K
Differential Pressure effect:	0.7K
Response time:	20 Mins
Material Specification	Copper Alloy – Brass EN12165 CW617N, Chrome plated. ABS
To Standard:	EN215-1

## Introduction

A **Thermostatic Radiator Valve** (TRV) is a self-regulating valve fitted to hot water heating system radiators. The TRV controls the temperature of a room by regulating the flow of hot water to the radiator and allows temperature regulation individually room by room helping reduce energy consumption.

## Installation instructions

1. Connect the valve body with the inlet of radiators and pipes by following the flow direction arrow on the body. When filling the system, the thermostatic valves should be fully opened. (uni directional)
2. Unscrew and remove the protection cap from the thermostatic valve body.
3. Turn the thermostatic head lever to number 5.
4. Fit the thermostatic head to the valve body, screw on and tighten with a rubber jawed wrench (approx. 20 Nm).
5. Ensure that the setting arrow is pointing upwards and then set the head to number 3 or others.

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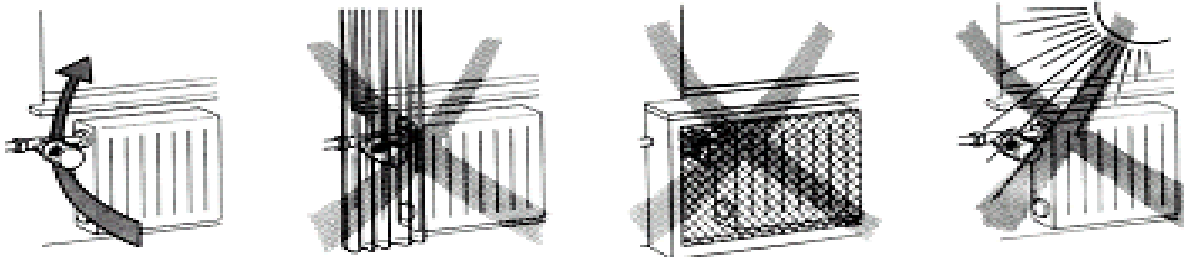




6. The thermostatic valve is best installed in a horizontal position allowing air to freely circulate around it.



7. TRV's should not be obstructed by curtains or radiator covers and should not be positioned in direct sun light, preferably not installed vertically or in narrow corners as its sensor will read a high temperature and close the valve earlier than required.



### Operating your TRV Setting the temperature

The head and the remote adjuster have a scale and symbols that correspond to the following room temperature

Setting	*	1	2	3	4	5
Temperature	Frost protection @ 6°C	12°C	16°C	20°C	24°C	28°C

### Maintenance

Removal of the valve insert is achievable while the system is live and under full working conditions by using the fitting tool.



Fitting tool.



Connect with the valve body

### Storing

1. Storage environment temperature should be no more than 50°C.
2. At night, it is recommended to set the valve at lower position in order to save energy and provide better comfort.
3. The anti-frost position (⌘) is used to avoid room temperature falling under 0 °C.



Testing Basis- DIN EN 215:2007-11  
CEN KEYMARK Scheme Rules for Thermostatic Radiator Valves (2011-10)

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