

# Mistral II

## Installation & Operating Instructions

### INTRODUCTION

This thermostatic radiator valve (TRV) set has been produced to the highest quality standards and developed to offer the installer a suitable TRV that is for any application.

The bi-direction TRV is available as a single TRV or as a pack that includes a manual lockshield with or without drain-off facility.

### INSTALLATION INSTRUCTIONS

#### Compression x compression TRV

The Mistral II bi-directional TRV body may be installed in either vertical or horizontal positions, in either flow or return. For best performance we recommend the valves be fitted with the headwork mounted vertically but where space is limited, the valve may be installed with the head mounted horizontally.

#### Installation procedures for Mistral II TRV bodies

Prior to installing the TRV bodies ensure the system is free from debris and contamination and installed in accordance with good plumbing practice. The white protective cap fitted on the valve body may be used as a temporary ON/OFF control device prior to fitting the thermostatic head.

#### Fitting thermostatic heads

Open thermostatic head to position 5 and position the head so the setting can be viewed and then hand tighten the securing ring. When installation is complete and the system is running normally, adjust the thermostatic head to the preferred setting for individual rooms then snap on the decorative cap.

(Only remove white protective cap from valve body immediately before fitting the thermostatic head).

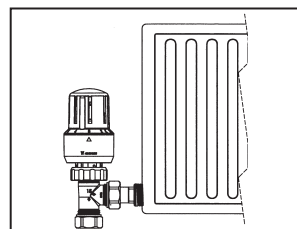
### OPERATING YOUR MISTRAL II TRV

#### Setting the TRV

Initially set the TRV to the required room temperature from the table in temperature settings e.g. Position 3 - 20°C. The TRV should be left for at least 1 hour to allow the temperature to stabilise. If a higher or lower room temperature is required simply adjust the setting accordingly and repeat the process.

#### Frost Protection

If you plan to be away from home for any length of time, the TRV can be turned to the frost protection setting " ❄️ ". If the temperature falls below 7°C the valve will automatically open, giving protection against freezing. (Provided that the boiler remains in operation, via a thermostat).

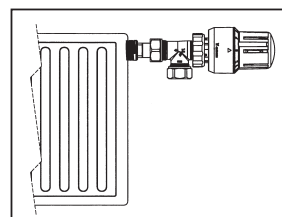


#### Mistral II TRV bodies

The TRV can be fitted as easily as a manual radiator valve.

To avoid the problem of hydronic (water flow) noise it is recommended that the differential pressure does not exceed 0.2 Bar. It is strongly recommended that an automatic bypass valve be fitted to any system fitted with TRV's.

The lockshield valve must also be set to control the water flow through the radiator to the correct level.



## Removal of Radiator

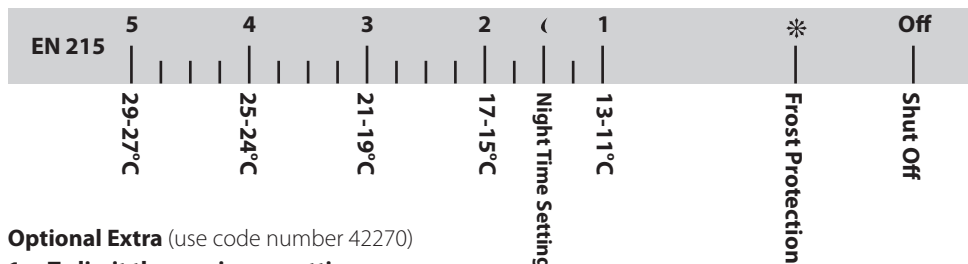
The "0" Setting on the TRV is a positive "Off" position which will enable a radiator to be removed for maintenance purposes.

To avoid accidental operation of the valve or accidental damage whilst decorating the manual shut off cap may be used for added security instead of the TRV head. In this case, remove the TRV sensor head, by unscrewing the securing ring, and replacing with the manual cap and turning to the "Off" position BEFORE removing the radiator.

## TEMPERATURE SETTINGS

### There are 8 positions on the TRV headwork

These temperatures will vary slightly, depending upon nature of installation.



**Optional Extra** (use code number 42270)

#### 1. To limit the maximum setting.

Remove the head and set to the maximum desired position. Insert the 'Locking Pin' under the base, one segment to the right of LOCK position. [A slight rotation of the head may be required to allow full insertion of the Locking Pin] The temperature has now been limited to the desired position.

#### 2. To lock a pre-determined setting.

Set to the desired locking position.

Insert the 'Locking Pin' under the base, into the segment in line with the LOCK position. [A slight rotation of the head may be required to allow full insertion of the Locking Pin] The desired set temperature is now locked in place.



## Mistral II Lockshield Radiator Valves

### Compression x compression

Both ends of the 15 x 1/2" Mistral II valve body are threaded 1/2" BSP enabling this size of valve to be fitted to the tailpipe in the radiator either vertically or horizontally.

**N. B.** In the event that a radiator needs to be removed e.g. for decoration purposes, remove the lockshield top and rotate the spindle using a small adjustable spanner turning clockwise to the closed position.

#### Technical Data

Temperature Range	7°C - 28°C
Maximum Test Pressure	20 bar
Maximum Static Pressure	10 bar
Nominal Flow Rate	195kg/h

#### Technical Data

Maximum Differential Pressure	0.6 bar
Maximum Water Flow Temperature	120°C

Please Note: For further information, please contact our technical department: 0870 120 0285

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