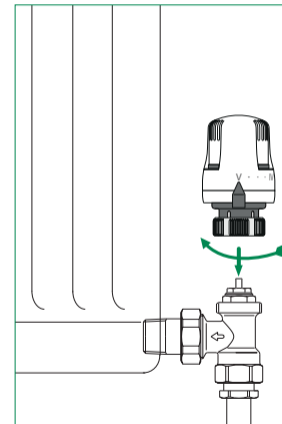


## How do I Fit the Thermostatic Head



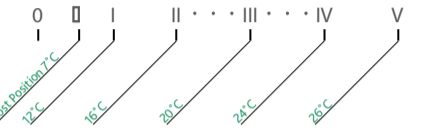
With the valve body installed on the radiator, align the head over the body with the indicator at setting V - full open.

Ensure the head is square to the body, screw the retaining nut

in a clockwise direction until tight, taking care not to overtighten.

## Temperature Adjustment

The thermostat has the following approximate settings:



### Setting the Temperature

- Rotate the thermostatic head clockwise and anticlockwise between the setting 0 and V as required.

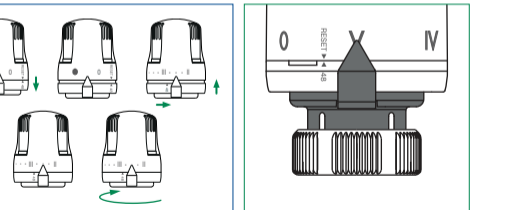
### Economy Setting

- The thermostatic head can be set to limit the adjustment range between 0 and the required higher setting.
- With the indicator pointer and the reset mark facing you push the locking down until the 2 marks are separated.

## Economy Setting

- Rotate the thermostatic head clockwise to the required temperature and the locking ring anticlockwise until it stops, push the ring back until it locks into position. The valve can now be adjusted between 0 and the set position.

- To remove the setting, simply lower the ring again and rotate clockwise until the reset marks are aligned then push the ring back to lock it. The valve can now be adjusted through its full setting range.

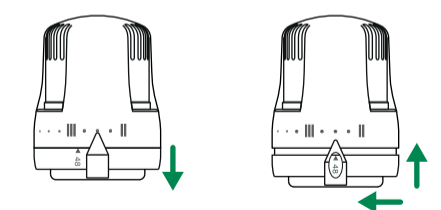


## Locked Setting

The head can be set to a single non-adjustable position.

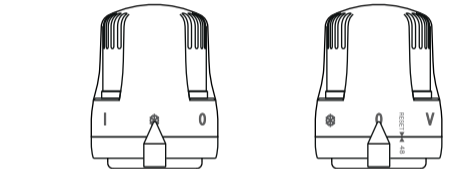
Lower the locking ring as described earlier and rotate the head until the indicator is pointing to the desired setting. Rotate the locking ring clockwise until it locks into position.

To remove the setting, simply lower the ring again and rotate anticlockwise until the reset marks are aligned then push the ring back to lock it. The valve can now be adjusted through its full setting range.



## Frost Setting

The thermostatic head has within its range a frost setting ❄️. When set at the ❄️ position the thermostatic head will react when the ambient temperature drops to 7°C and allows the valve to open.



### '0' Position

The thermostatic head has within its range a '0' position, **please note this does not give complete isolation of the valve.**

For isolation, when the radiator is to be removed or 'dropped' for decoration, prior to commencing remove the thermostatic head and fit the isolation / decorators cap and use to fully close the valve.

## TRV Technical Specification

- |   |           |
|---|-----------|
| • Certified to:                             | BS EN 215 |
| • Keymark company identity number:          | 48        |
| • Max working pressure:                     | 10 bar    |
| • Max pressure differential:                | 1 bar     |
| • Max water temperature:                    | 100°C     |
| • Max ambient temperature:                  | 50°C      |
| • Approximate temperature adjustment range: | 0 to 28°C |
| • Frost Setting:                            | 7°C       |

### Cleaning the Valve

The body, thermostatic or manual head should be cleaned using a mild soap solution.

**Do not use abrasive pads, bleach or solvents etc. as they will cause damage to the surfaces.**

**Please ensure these instructions and the isolation cap is left with the valve for the user.**

E & O.E

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IOM 074 23-04-15

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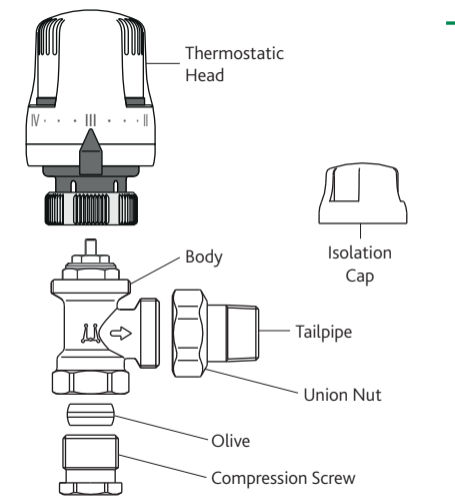
Installation & Operating Instructions

altecnic

## Commercial TRV Installation Instructions

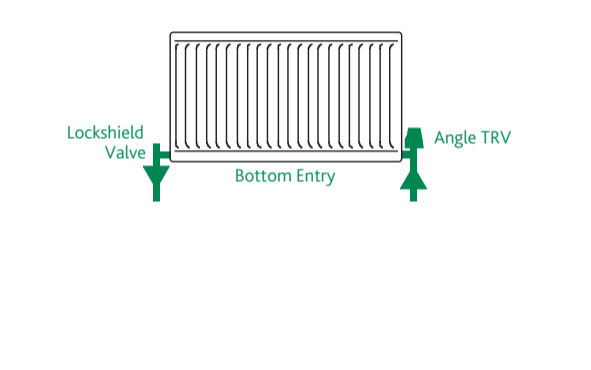
When installing the following must be considered to ensure the valve gives optimum performance.

- 1 Position in contact with the free air circulation within the room and not subject to draught, direct sunlight or behind curtains, all of which affect it's performance.
- 2 Do not install in a position where the head is likely to become damaged or where it is subjected to excessive heat, either during installation or in service.
- 3 Ensure that the system is clean and free from debris and installed using good installation practice.
- 4 An automatic differential bypass valve **MUST** be fitted as part of a TRV installation



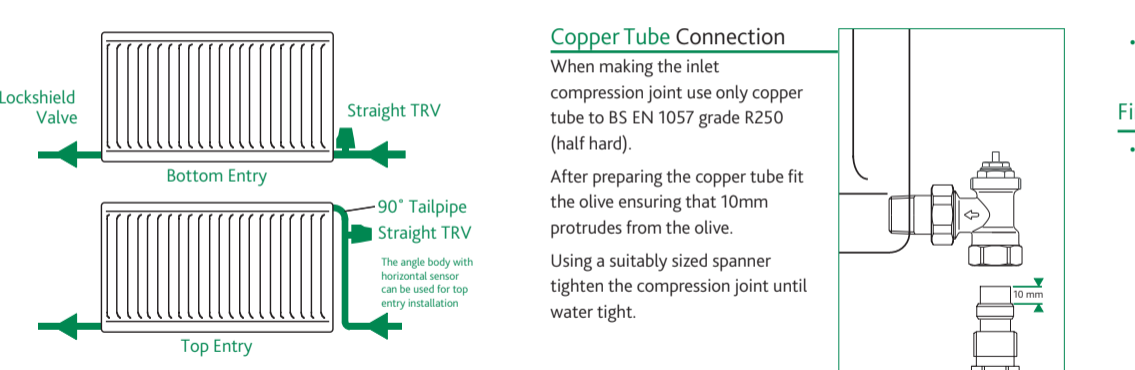
## Where Do I Fit Angled Valves

The angle pattern Commercial TRV is designed for installation on the flow to the radiator with lockshield valve on the return.



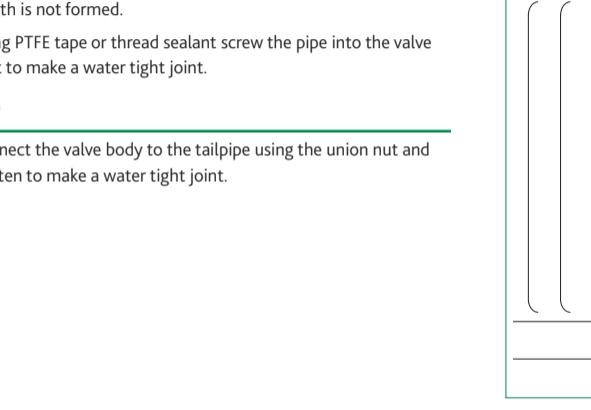
## Where Do I Fit Straight Valves

The straight pattern Commercial TRV is designed for installation on the flow to the radiator with lockshield valve on the return.



## Connecting to Pipework

Using the Altecnic fitting tool in the bore of the tailpipe rotate in clockwise direction into the tapping in the radiator.

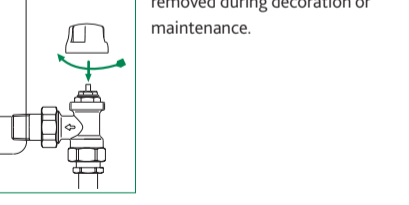


## Steel Pipe Connection

- Discard the olive and compression screw.
- Thread the pipe to BS EN 10226 ensuring that an excessive length is not formed.
- Using PTFE tape or thread sealant screw the pipe into the valve inlet to make a water tight joint.

## Finally

- Connect the valve body to the tailpipe using the union nut and tighten to make a water tight joint.



With the valve body installed on the radiator, align the isolation cap over the body. Screw in a clockwise direction until a firm resistance is felt, taking care not to overtighten. The isolation cap should be fitted to isolate the valve when the radiator will be lowered or removed during decoration or maintenance.

## Copper Tube Connection

When making the inlet compression joint use only copper tube to BS EN 1057 grade R250 (half hard). After preparing the copper tube fit the olive ensuring that 10mm protrudes from the olive.

Using a suitably sized spanner tighten the compression joint until water tight.

