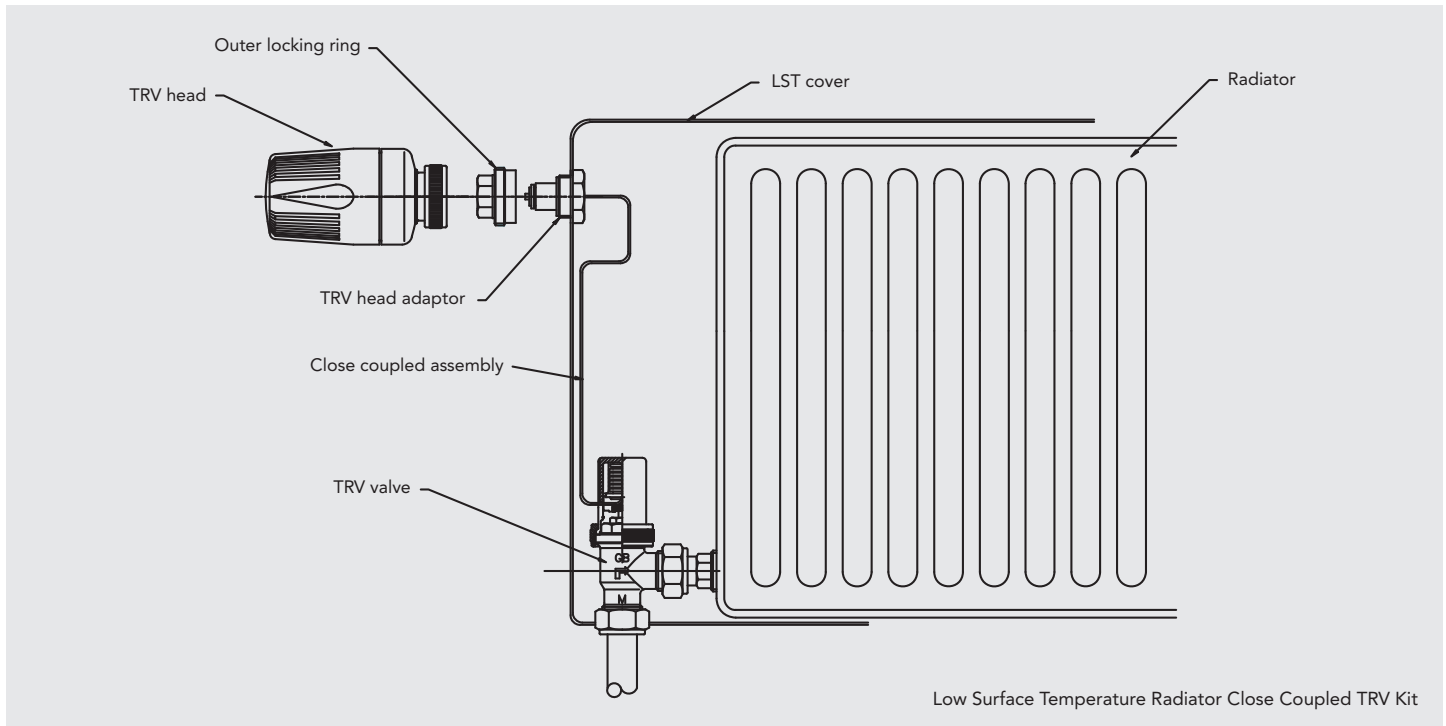


FITTING INSTRUCTIONS FOR CLOSE COUPLED TRV. MYSON LST RADIATORS

Application



This kit allows the thermal sensing head of a MYSON Thermostatic Radiator Valve to be mounted directly onto the LST enclosure of a MYSON Low Surface Temperature Radiator thus becoming an integral part of the appliance. The valve body is fitted to the heat emitter and is coupled to the sensing head by a flexible extension.

The arrangement offers a choice of position for both the valve body and the sensor head. For example the valve can be at one end of the

heat emitter and the sensing head at the other. This may be necessary for the optimum temperature sensing or where standardised right or left hand operation is required. Access for adjustment, cleaning and maintenance are retained without the need to disconnect the sensor or alter its setting.

Fitting

1. Unpack the close coupled assembly and identify the respective ends for connection to the valve body and to the sensing head. The plastic one piece housing with the knurled ring fits to the valve body and the metal two-piece adaptor fits to the LST enclosure for mounting the sensor head. The capillary length is 2m.
2. Decide whether the sensor head is to be fitted to the right or left side of the enclosure.
3. Remove the 23mm diameter half sheared blanking disc to be found at the top left corner of the LST radiator casing. Support the enclosure and using a hammer and a suitable sized punch, strike the blanking disc firmly to break its connection. If necessary twist or flex the disc for final removal.
4. Carry out the installation of the LST radiator in accordance with the fitting instructions supplied with it.
5. Separate the outer locking ring from the sensor head adaptor. **TAKE CARE NOT TO DAMAGE THE CAPILLARY OR THE EXPOSED SENSOR, and DO NOT ALTER THE POSITION OF THE INTERNAL LOCKING RING.**
6. Locate the TRV head adaptor in the prepared hole from inside of the LST enclosure.
7. Fit the outer locking ring on to the adaptor and using suitable sized spanners firmly lock the assembly together through the side of the LST enclosure.
8. Carefully release the clips holding the capillary tube and locate the valve connection on to the valve body. Leave the capillary as loose coils and secure the valve connection with the knurled locking ring on to the valve body.
9. Fit the LST enclosure on to its mounting brackets and fit the thermal sensing head to the outside of the enclosure. Set the sensing head to the fully open position (black dot in line with the indicator) and ensure that it engages correctly with the hexagonal section of the adaptor. Secure with the knurled locking ring onto the outside thread of the adaptor.

The Theft Resistant ring or the Theft Resistant Collar (available as accessories for MYSON Thermostatic Radiator valves) may be fitted if required. It is recommended that satisfactory operation of the system is first verified before fitting these accessories.



Temperature Locking and Limiting

Your MYSON Thermostatic Radiator valve has a locking or limited range adjustment facility to prevent unauthorised adjustment in public areas or by children in the home.

Locking

First - Set the Selector to the required level. Insert the first locking pin into the opening in line with the 'circular black' marking. Without altering the set position insert the second locking pin into the opening in line with the 'black dot' marking.

Limiting

High Limit

First - Set the valve temperature to the highest required level; insert the first locking pin into the opening in line with the 'black dot' marking.

Low Limit

Set the valve temperature to the lowest required level, insert the second locking pin into the opening in line with the 'circular black' marking.

IMPORTANT

When removing the radiator replace the selector head with the manual commissioning cap supplied, and close the valve fully.

Setting Valve

Set the TRV-2-Way to the desired comfort level.



Technical Information

Maximum operating static pressure	10bar	Normal Setting	Ca 20°C
Maximum water temperature	120°C	Frost Setting	8°C
Hysteresis	<0.5K	Limiting and Locking	Ca 1°C
Setting Range	8 - 28°C	Maximum Differential Pressure	0.6bar

Siting of TRV's

A TRV should be positioned where it is able to sense the air temperature changes in the room. It should not be in direct sunlight or in a location that does not allow adequate circulation of air, such as behind curtains or doors or in the corner of a room. In situations

where optimum positioning is not possible a MYSON Remote Sensor (Code No. 2TRVRSHEAD) or a MYSON Remote Adjuster (Code No. 2TRVADJHEAD) should be used.

Automatic By-Pass Valves (ABV's)

It is recommended that a MYSON Automatic By-Pass Valve (Code No. ABV22) be fitted between the flow and return immediately after the pump in systems having Thermostatic Radiator Valves installed. Where a combination boiler is installed, or the pump head capacity is greater than 0.6bar (6m water gauge) it is essential that an Automatic By-Pass Valve is fitted.

In larger systems it may be necessary to fit more than one ABV in order to prevent the differential pressure in any one leg of the system exceeding the stated maximum.