Installation Instructions

Universal Adapter Set for thermostatic radiator valves with M28 x 1.5mm or M30 x 1.0mm connecting thread

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Please read these instructions carefully before beginning installation and keep them for future reference.

Intended Use

Depending on the particular make and model of thermostatic radiator valve, it may be possible to fit the FHT 8V HouseHeat Wireless Valve Motor to the valve without needing to use an adaptor. If this is not possible then one of these two universal adaptors should be used. These adaptors facilitate the mounting of a FHT 8V HouseHeat Wireless Valve Motor on almost all common commercially available thermostatic radiator valves with connecting threads M28 x 1.5mm or M30 x 1.0mm. Which of the two supplied adaptors is required will depend on the dimensions of the radiator-valve thread to which the adaptor is to be connected.

The only exception is for Danfoss valves, which require a dedicated adaptor. Three Danfoss valve adaptors are also included with the HouseHeat FHT 8V Wireless Valve Motor. Instructions for fitting Danfoss valve adaptors are given in the HouseHeat User Manual.

Items Supplied

1 x M28 Universal Valve Adaptor and 1 x M30 Universal Valve Adaptor, each with extension pins in four different lengths.

Caution

When the thermostatic radiator valve head is removed, the radiator valve will open. In certain circumstances the radiator and the thermostatic radiator valve connected to it may then become hot. It may therefore be necessary to switch off the heating system while mounting the adaptor to avoid the danger of scalding.

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Identifying the correct Extension Pin to use

The M28 and M30 universal adaptors are suitable for almost all common commercially available valves with M28 x 1.5 mm or M30 x 1.0 mm connecting threads.

First inspect the connecting thread of the radiator valve to establish which adaptor is required: the smaller M28 adaptor or the larger M30 adaptor.

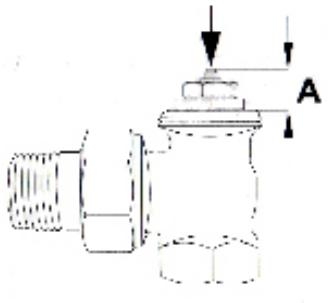
In order to cater for the variation in valve-pin length among commercially available radiator valves, four plastic extension pins of different lengths are supplied for each adaptor.

If the valve manufacturer can be identified by a symbol or name embossed on the valve body, you may simply be able to select the correct extension pin from the table opposite (The pin extension number is shown in the left column in the table, where '2' is the second-shortest extension pin and '4' the longest).

2	Herz, MMA, Remagg	
3	TA, Comap, Markaryds	sar TA
4	SAM, Slovarm	

Alternatively, if this is not possible, the correct extension pin can be established by measurement.

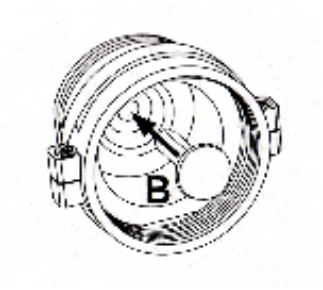
In order to do this, press in the metal pin on the metal valve body until the valve is completely closed. Then measure the distance 'A" between the top of the depressed valve pin and the valve body as shown in the diagram. The correct plastic extension pin to use may then be identified from the table opposite.



Distance 'A'	Nr.	Length
approx. 10 – 12 mm	1	15.0 mm
approx. 8.5 – 10 mm	2	17.0 mm
approx. 6.5 – 8.5 mm	3	18.5 mm
Approx. 1.0 – 3.0 mm	4	24.0 mm

Mounting the Adaptor

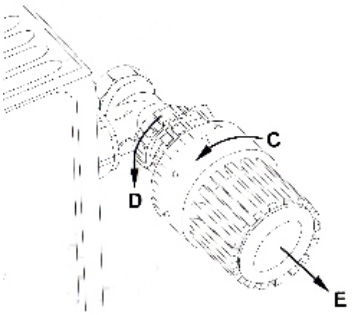
Insert the plastic extension pin through the hole in the adaptor from the inside towards the outside ('B'). The extension pin is flattened on one side to prevent rotation, and so can only be inserted one way.



Turn the thermostatic valve head anti-clockwise up to its maximum value ('C'). This prevents the thermostatic valve head from pressing on the valve pin and it is then easier to remove.

Undo the screw ring completely by turning it anti-clockwise. ('D')

The thermostatic valve head can now be removed from the valve body. ('E')



Finally, mount the assembled adaptor on the thermostatic valve body.

It should be screwed on clockwise ('F') and must only be hand-tightened. Do not tighten unnecessarily forcefully and do not use e.g. a wrench or pliers to tighten.