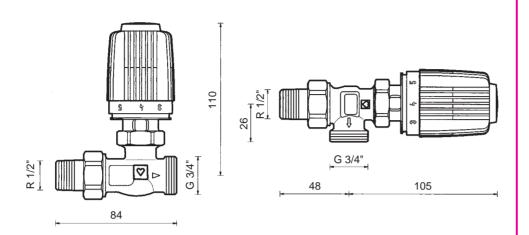
HERZ-Return Temperature Controllers

Standard Sheet for

7201

Edition 0700 (1299)



1 7201 00 Return temperature controller

for controlling the return temperature between 25–60°C. with limitation and locking of set value range

Set, straight model 1 **7201** 23

1 **7201** 00 Return temperature controller 1 **7733** 81 HERZ-TS-90-thermostatic valve lower part, nickel-plated, radiator connection with cone seal R 1/2", pipe connection male thread G 3/4.

1 **7201** 24 Set, angle model

1 7201 00 Return temperature controller

1 7724 37 HERZ-TS-90-thermostatic valve lower part, nickel-plated, radiator connection with cone seal R 1/2", pipe connection male thread G 3/4.

Compression unions G 3/4 for connecting copper-, steel- or plastic pipes must be ordered separately

Maximum operating temperature: 110 °C Maximum operating pressure: Set value range: 25-60 °C

Hot water purity in accordance with ÖNORM H 5195 and/or VDI guideline 2035.

When using HERZ compression unions for copper and steel pipes take into account the permissible temperature and pressure ratings according to EN 1254-2: 1998, as shown in table 5. For plastic pipe connections the maximum operating temperature is 80 °C and the maximum operating pressure is 4 bar if approved by the pipe manufacturer.

The temperature values within the set value range are adjusted by placing the blue hand wheel marks opposite the pointer. Deviations are possible depending on the heating system design and mode of operation.

Mark	1	2	3	4	5
approx. °C	25	35	45	55	60

The HERZ return temperature controller is an automatic proportional control unit for return water temperature control in radiators or floor heating circuits.

The water temperature is transmitted from the valve body to the temperature sensor. If the return temperature exceeds the set value, the controller closes while it opens when the temperature is lower than the set value

Models

Operating Data

Compression Unions

Setting Range Set Value Adjustment

Function

We reserve the right to make modifications necessitated by technological progress.



on the boo	dy). After re n complete	the thermostatic valve not necessary take into account the direction of flow (arrow emoving the protective cap for building work, the return temperature controller is ely open position (as delivered) by means of a freely moving 30 mm union nut. e clearly visible.	Installation
	ent temperatily closed.	ature must not exceed the set value since otherwise the controller will remain	Important for Installation
The return temperatu systems. The return parallel co	re control in temperatur	ns. Ire controller is used for limiting the return temperature in radiators or for return n small floor heating areas (up to 15 m2) in combined floor and radiator heating are controller is a volume controller. In case of floor heating system control with the pipe of the floor heating system will be exposed to the same intake temperheating system.	Field of Application
			Block Diagram of the System Parallel Connection
	**		Serial Connection
in operation.	le seal is ar on. The O-r	n O-ring located in a brass chamber which can be changed while the system is ring guarantees minimum maintenance requirements and lasting ease of valve O-ring is described in the HERZ-TS-90 Standard Sheet.	Special Design Features
Seat Seal When clos perfect sh		ve, the torus seat seal gently attaches itself to the valve seat, and thus ensures aviour.	
The upper	r part can	Thermostatic Valve Upper Part be changed by means of the HERZ changing tool while the system is under account the instructions supplied with the changing tool.	
		6210 with cone seal, installed. o use the HERZ assembly key 1 6680 00.	Radiator Connection
Instead of 6210	the radiate	or connection, the following components be used: Iron pipe connection, Length: 26 or 35 mm	Further Connection Options
6211 6218	1/2" 1/2"	Reducing connection, 1/2" x 3/8" Long threaded bush without nut, can be shortened in order to compensate for differences in structural	For order numbers refer to the HERZ catalogue
6218	1/2"	dimensions. Length: 39, 42, or 76 mm Threaded bush without nut, Length: 36, 48, or 76 mm	
6235	1/2"	Length: 36, 48, or 76 mm Soldering connection for outside pipe diameters 12, 15, or 18 mm	
6249	1/2"	Iron pipe connection elbow without nut, with cone seal	
6274	G 3/4	Compression union for copper and thin-walled steel pipes, for outside pipe diameters 8, 10, 12, 14, 15, 16, 18 mm	
6275	G 3/4	Compression union with soft seal for copper and thin-walled steel pipes, particularly suitable for hard high-grade steel pipes and pipes with hard electroplated surfaces. For outside pipe diameters 12, 14, 15 mm.	
6098	G 3/4	Compression union for PE-X-, PB-, and plastic composite pipes.	

		ely.	Familia III I
235	1/2"	Soldering connection with cone seal for outside pipe diameters 12, 15, or 18 mm	For pipe dimensions of plastic pipe connections
74	G 3/4	Compression union for copper and thin-walled steel pipes,	refer to the HERZ Catalogue
275	G 3/4	for outside pipe diameters 8, 10, 12, 14, 15, 16, 18 mm Compression union with soft seal for copper and thin-walled steel pipes,	
•	0 0, 1	particularly suitable for hard high-grade steel pipes and pipes with hard electroplated surfaces. For outside pipe diameters 12, 14, 15 mm	
98	G 3/4	Compression union for PE-X-, PB-, and plastic composite pipes.	
efinite ill mak	value can be this task of limiting pin	hand wheel (2 mm Allen key), the set value range can be limited, locked, or a be fixed by changing the position of limiting pins in the threaded part. Flat pliers easier. s are installed by the manufacturer in such a way that the entire set value range	Limiting and Locking the Set Value Range
or theft	protection, er. Special k	, we offer clips to be mounted above the fastening nut of the return temperature keys are required to open these clips.	Theft Protection
6616 (00	2-mm Allen key for the hand wheel of the return temperature controller and for	Accessories
6640 (00	theft protection 1 7552 03 HERZ universal key, for opening theft protection 1 9552 03	
6680		HERZ assembly key for connections	
6807		HERZ-TS-90 assembly key	
7552 ()3	Theft protection, 2 clips to be fastened by means of Allen screws. Locking and opening by means of key 1 6616 00	
7780 (00	HERZ-changing tool for thermostatic upper parts	
9552 ()3	Theft protection (snap-on clips), to be opened with universal key 1 6640 00	
6390 9	91	Thermostatic upper part HERZ-TS-90 O-ring set	Spare Parts

