

Data sheet

ON/OFF zone valves AMZ 112, AMZ 113

Description



The ON/OFF zone valves type AMZ 112 and AMZ 113 are typically used in connection with:

- Domestic and commercial central heating applications
- Domestic hot water applications
- Solar energy plants
- Priority control of hot water supply and heating (diverting function)
- Priority control of boiler and solid fuel installations (diverting function).

The ON/OFF zone valves can be applied together with most Danfoss Room Thermostats, particularly type RET 230 (single poled switch) and programmable Room Thermostats type RET 1000/2000. Other compatible room thermostats are available, please see www.danfoss.com/heating for details.

Features:

- Indication of actual valve position;
- LED indication of turning direction;
- Manual valve turning mode enabled by a permanent clutch;
- No damage in case of valve blocking;
- Silent and reliable operation;
- Maintenance free;
- Integrated AUXILIARY switch;
- LED indication of activated AUXILIARY switch.

Main Data:

- Nominal voltage:
 - 230 V AC, 50/60 Hz
 - 24 V AC, 50/60 Hz
- Rotation angle 90°
- Actuator running speed
 - AMZ 112
 - DN 15-20: 30 sec / 90°
 - DN 25-50: 60 sec / 90°
 - AMZ 113
 - DN 15: 30 sec / 90°
 - DN 20-32: 60 sec / 90°
- Control signal: 2-point

Ordering

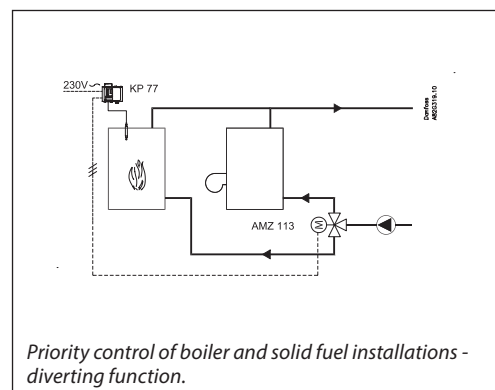
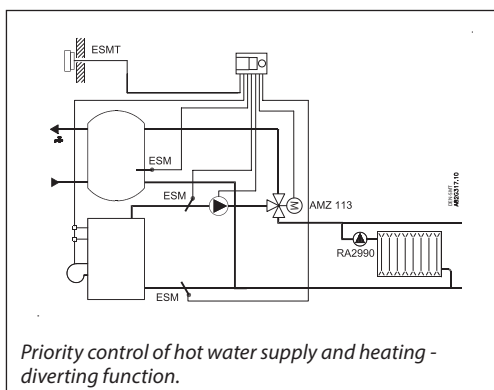
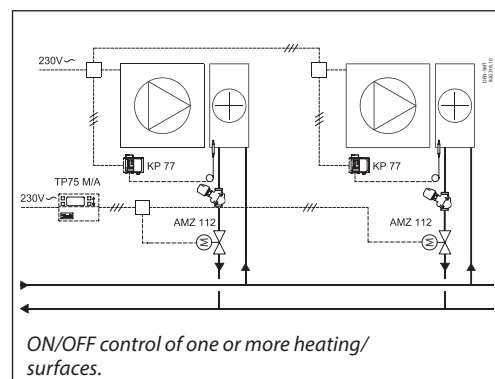
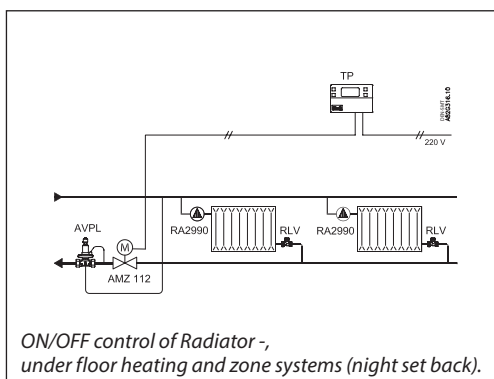
AMZ 112 2-port valve/actuator

DN	k _{vs} (m³/h)	Connection	Code No.	
			230 V	24 V
20	28	Cu-Cu 22	-	082G5427
15	17	R _p ½	082G5406	082G5400
20	28	R _p ¾	082G5407	082G5401
25	39	R _p 1	082G5408	082G5402
32	84	R _p 1¼	082G5409	082G5403
40	156	R _p 1½	082G5410	082G5404
50	243	R _p 2	082G5411	082G5405

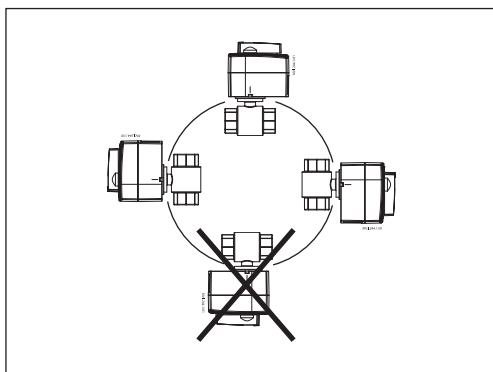
AMZ 113 3-port valve/actuator

DN	k _{vs} (m³/h)	Connection	Code No.	
			230 V	24 V
15	4,3	R _p ½	082G5418	082G5412
20	8,3	R _p ¾	082G5419	082G5413
25	13	R _p 1	082G5420	082G5414
32	21	R _p 1¼	082G5421	082G5415

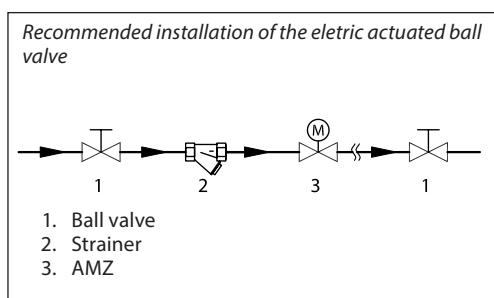
Application principles



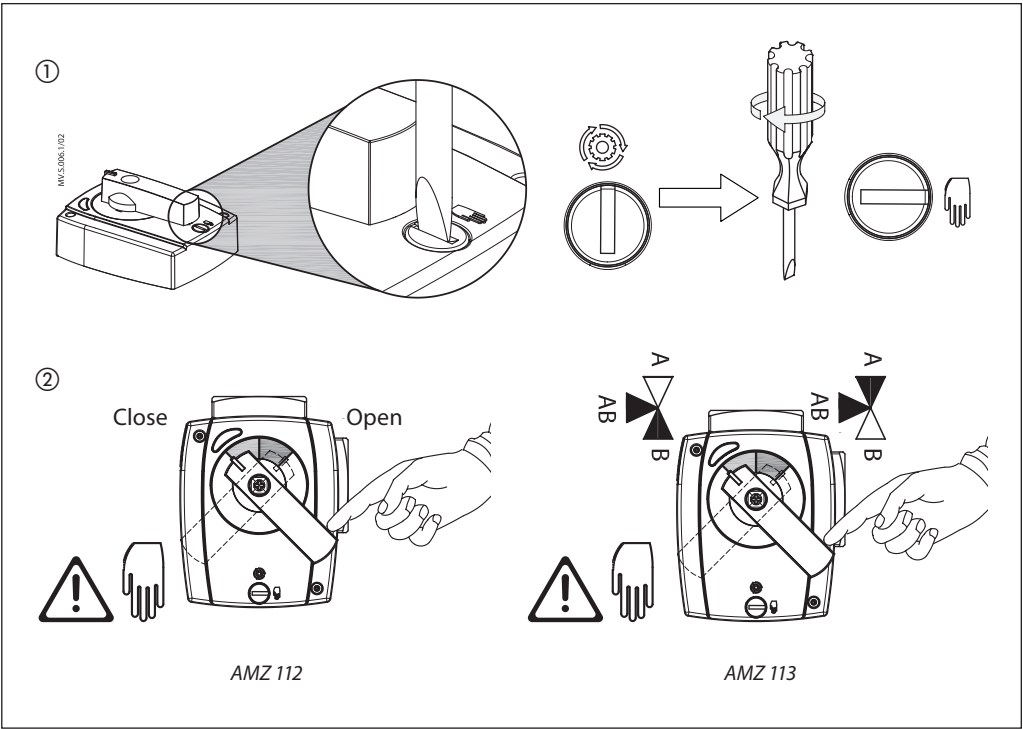
Installation positions



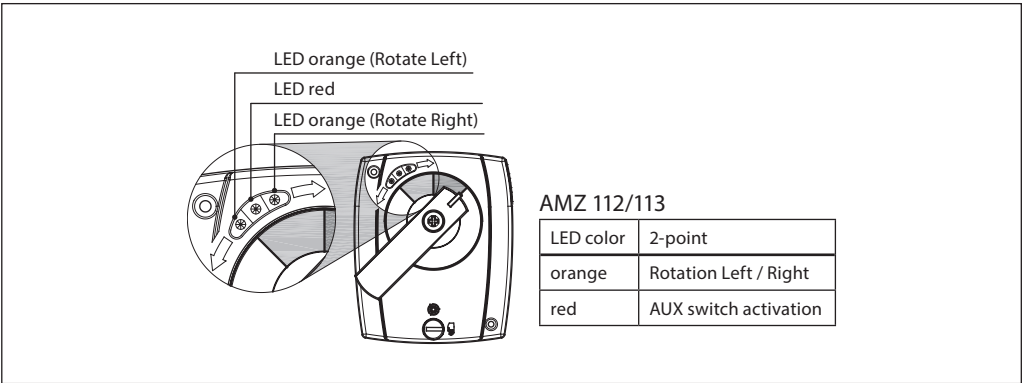
Hydraulic installation



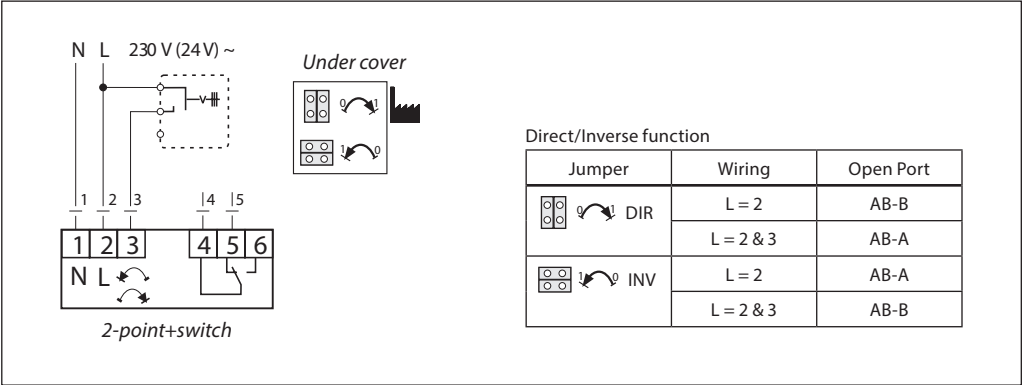
Manual override



LED signalling

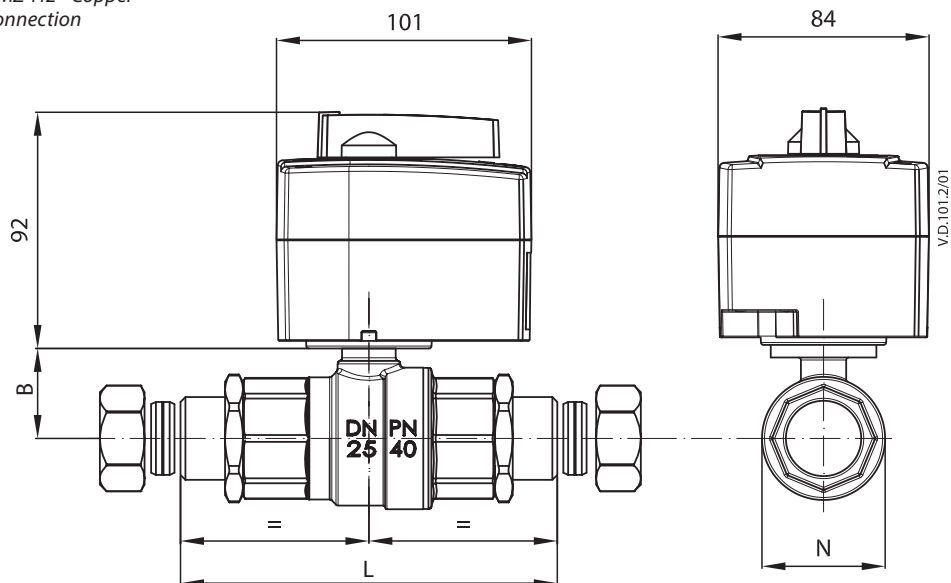


Wiring



Dimensions

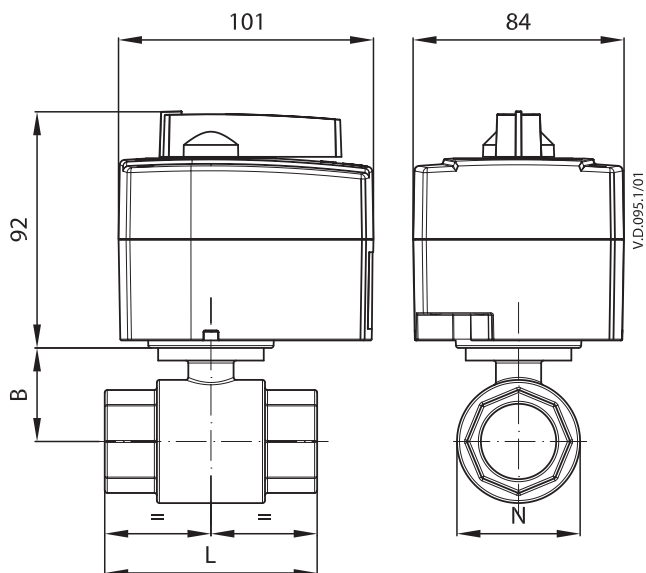
AMZ 112 - Copper connection



AMZ 112

DN	Connection	L	B	N
	G	mm		
20	Cu-Cu 22	111,5	33	37

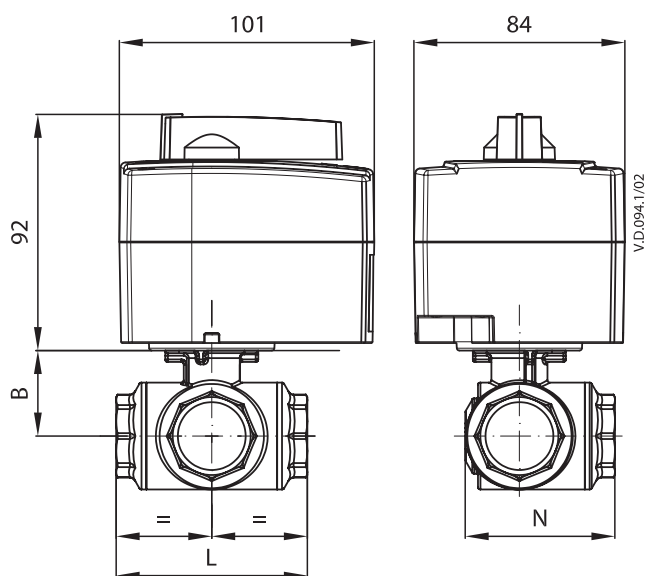
AMZ 112



DN	Connection	L	B	N
	G	mm		
15	½"	61	29,4	37
20	¾"	69,5	33	37
25	1"	84,5	37,2	42
32	1¼"	98,5	47,5	42
40	1½"	110	53	42
50	2"	130	64	48

Dimensions (continuous)

AMZ 113



DN	Connection	L	B	N
	G			
15	1/2"	64,5	38	49,5
20	3/4"	78	42	59,5
25	1"	97	46,5	74,5
32	1 1/4"	118	61,25	95,5