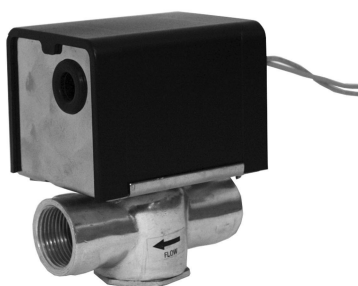


2-and 3-way zone valves with rotary actuator

- Nominal voltage AC 230 V
- Open/Close control
- Deenergised NC, valve closed
- Internal thread



Trade-Line by Belimo

Overview of types

	Type	kvs	DN	Rp	Δp_s	Weight
2-way valves	EXT-SW-E152V4C1	0.9 m ³ /h	15 mm	1/2"	5.1 bar	0.70 kg
	EXT-SW-E152V4C2	2.2 m ³ /h	15 mm	1/2"	3.4 bar	0.70 kg
	EXT-SW-E152V4C3	3.0 m ³ /h	15 mm	1/2"	2.0 bar	0.70 kg
	EXT-SW-E202V4C2	2.2 m ³ /h	20 mm	3/4"	3.4 bar	0.85 kg
	EXT-SW-E202V4C3	3.0 m ³ /h	20 mm	3/4"	2.0 bar	0.85 kg
	EXT-SW-E202V4C5	4.3 m ³ /h	20 mm	3/4"	1.7 bar	0.85 kg
	EXT-SW-E202V4C7	6.5 m ³ /h	20 mm	3/4"	1.3 bar	0.85 kg
	EXT-SW-E252V4C8	6.9 m ³ /h	25 mm	1"	1.3 bar	1.00 kg
3-way valves	EXT-SW-E153V4C1	1.3 m ³ /h	15 mm	1/2"	5.1 bar	0.75 kg
	EXT-SW-E153V4C2	2.6 m ³ /h	15 mm	1/2"	3.4 bar	0.75 kg
	EXT-SW-E153V4C3	3.4 m ³ /h	15 mm	1/2"	2.0 bar	0.75 kg
	EXT-SW-E203V4C2	2.6 m ³ /h	20 mm	3/4"	3.4 bar	0.90 kg
	EXT-SW-E203V4C3	3.4 m ³ /h	20 mm	3/4"	2.0 bar	0.90 kg
	EXT-SW-E203V4C5	4.3 m ³ /h	20 mm	3/4"	1.7 bar	0.90 kg
	EXT-SW-E203V4C7	6.5 m ³ /h	20 mm	3/4"	1.3 bar	0.90 kg
	EXT-SW-E253V4C8	6.9 m ³ /h	25 mm	1"	1.3 bar	1.05 kg

Technical data

Valve data	kvs	see «Overview of types»
	DN	see «Overview of types»
	Pipe connector Rp (ISO7/1)	see «Overview of types»
	Pressure Rated pressure p_s	21 bar
	Closing pressure Δp_s	see «Overview of types»
	Media	Cold and hot water Water with max 50% volume of glycol
	Leakage rate B – A	1 (tight)
	Materials Valve body Spindle Seat Seal	Forged brass Nickel-plated brass Brass NBR
Electrical data actuator	Nominal voltage	AC 230 V, 50/60 Hz
	Power consumption In operation For wire sizing	6.5 W 7 VA
	Connection	Cable 10 cm, 2 x 0.75 mm ²
Functional data actuator	Manual override	Yes (permanent)
	Running Motor time Spring-return	<18 s <5 s
	Sound power level	<45 dB (A) when the valve is closing
Safety	Protection class	II
	Degree of protection	IP20
	EMC	CE according to 2004/108/EC
	Ambient temperature	0 ... +40 °C
	Media temperature	+2 ... +93 °C (in valve)
	Non-operating temperature	–40 ... +71 °C
	Ambient humidity	95% r.H., non-condensating
	Maintenance	Maintenance-free
Dimensions / Weight	Dimensions	See «Dimensions» on page 2
	Weight	see «Overview of types»

Safety notes



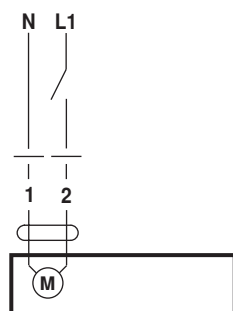
- The positioning devices have been designed for use in stationary heating, ventilation and air conditioning systems and are not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- It may only be installed by suitably trained personnel. Any legal regulations or regulations issued by authorities must be observed during assembly.
- The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.

Product features

Combination valve/actuators Valve and actuator will be delivered as one unit.

Electrical installation

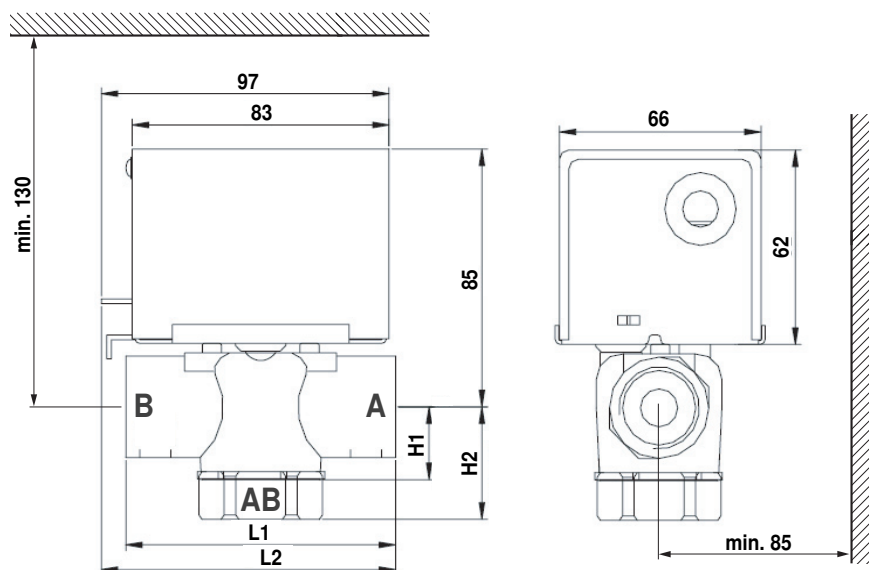
Wiring diagram



Rotary actuator	Rotary valve	
L1 	B - A = 0%	
L1 	B - A = 100%	
Rotary actuator	Rotary valve	
L1 	AB - B = 0%	
L1 	AB - A = 100%	
	B - A = 0%	
L1 	AB - B = 100%	
	AB - A = 0%	
	B - A = 0%	

Dimensions [mm]

Dimensional drawings



Type	DN	Rp	L1	L2	H1	H2
EXT-SW-E152V4C..	15	1/2"	70	86	23	—
EXT-SW-E202V4C..	20	3/4"	70	86	37	—
EXT-SW-E252V4C..	25	1"	87	93	23	—
EXT-SW-E153V4C..	15	1/2"	87	93	—	37
EXT-SW-E203V4C..	20	3/4"	94	95	—	25
EXT-SW-E253V4C..	25	1"	94	95	—	42

Warranty period

This is a trade product not manufactured by Belimo (Trade product according chapter 13 of general conditions of sales and delivery).
The warranty period of this product is two years from the date of delivery.