

Product features

Simple direct mounting	Straightforward direct mounting on the Ball Valve with only one screw. The assembly tool is integrated in the plug-on position indicator. The mounting position in relation to the fitting can be selected in 90° steps.		
Manual override	Manual override with push button possible (the gear is disengaged for as long as the but- ton is pressed or remains locked).		
Adjustable angle of rotation	Adjustable angle of rotation with mechanical end stops.		
High functional reliability	The actuator is overload-proof, requires no limit switches and automatically stops when the end stop is reached.		
Home position	When the supply voltage is switched on for the first time, i.e. at commissioning or after pressing the gear disengagement switch, the actuator moves to the home positon. Factory setting: Y2 (counter-clockwise rotation)		
	Rotary actuator	Rotary valves	
	∩ ₽ Y2	Close	
	Y1 🏈	Open	
	The actuator then moves into the position defined by the control signal		ion defined by the control signal.
Mode of operation	The actuator is controlled with a standard modulating signal of DC 2(0)10V and moves to the position defined by the control signal. The measuring voltage U serves for the electrical display of the damper position 0100% and as slave control signal for other actuators.		
Adaption	Automatic adjustment of operating range and measuring signal U to match the mechanical angle of rotation. Manual triggering of the adaption by pressing the Adaption button.		

Wiring diagrams





Electrical installation



A = Actuator

C = Control unit

L1 = Belimo connecting cable, 1m (4x 0.75mm²)

L2 = Customer cable

Ltot = Maximum cable length

Cross section	Max. cable length L _{tot} = L1+ L2		Example for DC
±1~	AC	DC	
0.75mm ²	≤30m	≤5m	1m (L1) + 4m (L2)
1.00mm ²	≤40m	≤8m	1m (L1) + 7m (L2)
1.50mm ²	≤70m	≤12m	1m (L1) + 11m (L2)
2.50mm ²	≤100m	≤20m	1m (L1) + 19m (L2)

Note:

When several actuators are connected in parallel, the maximum cable length must be divided by the number of actuators.

Dimensions [mm]



Operating controls and indicators



(1) Direction of rotation switch				
Switching over:	Direction of rotation changes			
(2) Push button and green LED display				
Off:	No voltage supply or fault			
On:	In operation			
Press button:	Switches on angle of rotation adaptation followed by standard operation			
(3) Push button and yellow LED display				
Off:	Standard operation			
On:	Adaptation or synchronising process active			
Press button:	No function			
④ Gear disengagement switch				
Press button:	Gear disengaged, motor stops, manual override possible			
Release button:	Gear engaged, synchronisation starts, followed by standard operation			



Mounting instructions: LRQU.. + DN15...40 CCV/ NRQU.. + DN50 CCV











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