

Rotary actuator for 2-way and 3-way Open/Close ball valves DN 15...32

**Open/Close actuator (AC 230 V)
Open/Close control**

Application

Operation of Open/Close ball valves.

Mode of operation

Open/Close control by single-wire conductor is employed.

Product features

Simple direct mounting on the Open/Close ball valve by means of a single screw. The actuator can be mounted on the control ball valve in any of four 90° positions.

Functional reliability

The actuator is overload-proof and stops automatically at the end-stop.

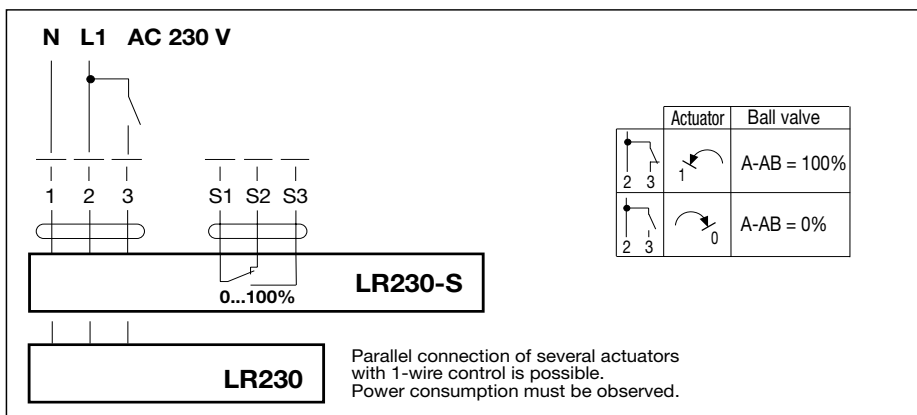
Manual operation by lever (provided the self-resetting pushbutton on the housing has been pressed in order to disengage the gearing).

Signalling 0...100%, with adjustable auxiliary switch (LR230-S only).

Examples for ordering:

- a) Rotary actuator LR230 with Open/Close ball valve R... pre-assembled - Order Code: R...+LR230
- b) Rotary actuator LR2430 and Open/Close ball valve R... enclosed - Order Code: R.../LR230
- c) Rotary actuator LR230 supplied separately - Order Code: LR230

Wiring diagram



LR230(-S) suitable for the following Open/Close ball valves

2-way	R215	R220	R225	R230
3-way	R315	R320	R325	R330
DN [mm]	15	20	25	32

Technical data	LR230, LR230-S
Nominal voltage	AC 230 V 50/60 Hz
Nominal voltage range	AC 198 ... 264 V
For wire sizing	12 VA
Power consumption	1 W
Connecting cable	- motor 1 m long, 3 x 0.75 mm ² - auxiliary switch (LR230-S) 1 m long, 3 x 0.75 mm ²
Auxiliary switch (LR230-S) - Switching point	1x SPDT 5 (1.5) A, AC 250 V <input type="checkbox"/> adjustable 0...100% ↔
Manual operating	Pushbutton, self resetting
Torque	min. 4 Nm (at rated voltage)
Angle of rotation	90°
Running time	80...110 s (0...4 Nm)
Sound power level	max. 35 dB (A)
Position indication	Scale 0...1
Protection class	II (all insulated)
Degree of protection	IP 40
Ambient temperature range	0... + 50 °C (together with Open/Close ball valve)
Temperature of medium	+ 5 °...+100 °C (Open/Close ball valve)
Non-operating temperature	- 40...+ 80 °C
Humidity test	to EN 60730-1
EMC	CE according to 89/336/EEC, 92/31/EEC, 93/68/EEC
Low Voltage Directive	CE according to 73/23/EEC
Mode of operation	Type 1.C
Maintenance	maintenance-free
Weight	0.55 kg (without Open/Close ball valve)

Installation instructions page 16

Important notes on application, page 2.

Dimensions (full dimensions of control device, page 16)

