Modulating rotary actuator for
2 and 3-way control ball valves

- Torque 5 Nm
- Nominal voltage AC/DC 24 V
- Control: Modulating DC 0 ... 10 V
- Position feedback: DC 2 ... 10 V


Technical data


Safety notes


- The rotary actuator has been designed for use in stationary heating, ventilation and air conditioning systems and is 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.

All applicable legal or institutional installation regulations must be complied with.

- The switch for changing the direction of rotation may only be operated by authorized personnel. The direction of rotation must not be reversed in a frost protection circuit.
- 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 cable must not be removed from the device.
- 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

Mode of operation The actuator is controlled by means of a standard control signal DC $0 \ldots 10 \mathrm{~V}$. It opens to the position dictated by this signal. The measuring voltage $U$ allows the damper position ( $0 . . .100 \%$ ) to be electrically indicated and serves as a follow-up control signal for other actuators.

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 ball valve can be selected in $90^{\circ} \measuredangle$ steps.

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.

Position feedback U5 Operation of the ball valve is optimised by a limiting ring. This ring reduces the angle of rotation from $95^{\circ}$ to $90^{\circ}$ 丈, i.e. U5 will deviate from Y by approximately 0.3 V when the valve is closed.


## Dimensions [mm]

## Dimensional diagrams



- Complete overview of actuators for water solutions
- Data sheets for ball valves
- Installation instructions for actuators and/or ball valves
- Notes for project planning (hydraulic characteristic curves and circuits, installation regulations, commissioning, maintenance etc.)


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LONWORKS ${ }^{\circledR}$ AC 24 V / DC 24 V


## BELIMO



