

K270Y111 (K270-2)

Fast acting actuator for control of R279D diverting valves



Energy
Management

Datasheet
1146EN 06/2024



CE UK EAC

Fast acting actuator (10 s) for control of R279D diverting valves in heating and/or cooling systems. Knob for manual maneuvering included.

➤ Versions and product codes

PRODUCT CODE	POWER SUPPLY	USE
K270Y111	230 V	R279D diverting valves

➤ Technical data

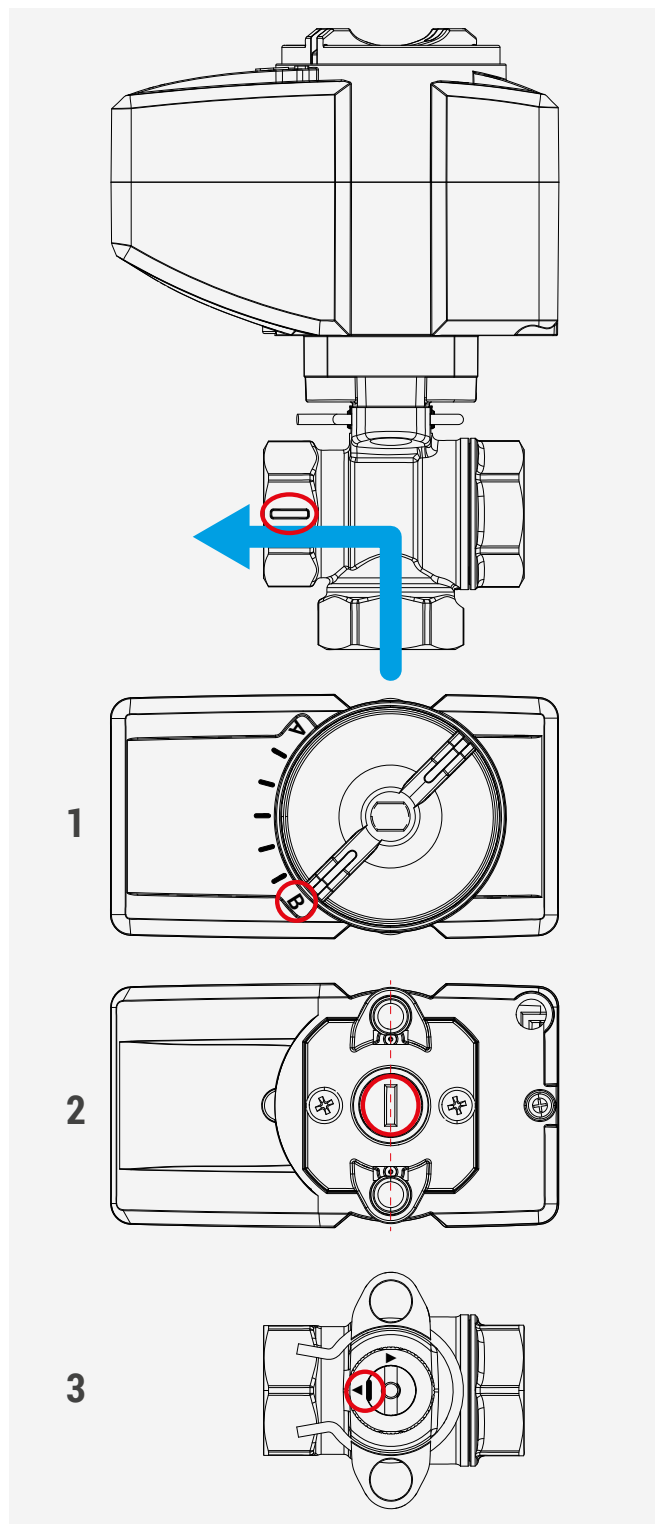
- Type of control: ON/OFF
- Rotation angle: 90°
- Maneuvering time: 10 s
- Max torque: 6 Nm
- Electric absorption: 7 W
- Protection class: IP54
- Room temperature working range: 0÷50 °C
- Stroke-end microswitch: 6(1) A
- Optional manual control with knob

➤ Operation

Operation with R279D diverting valves

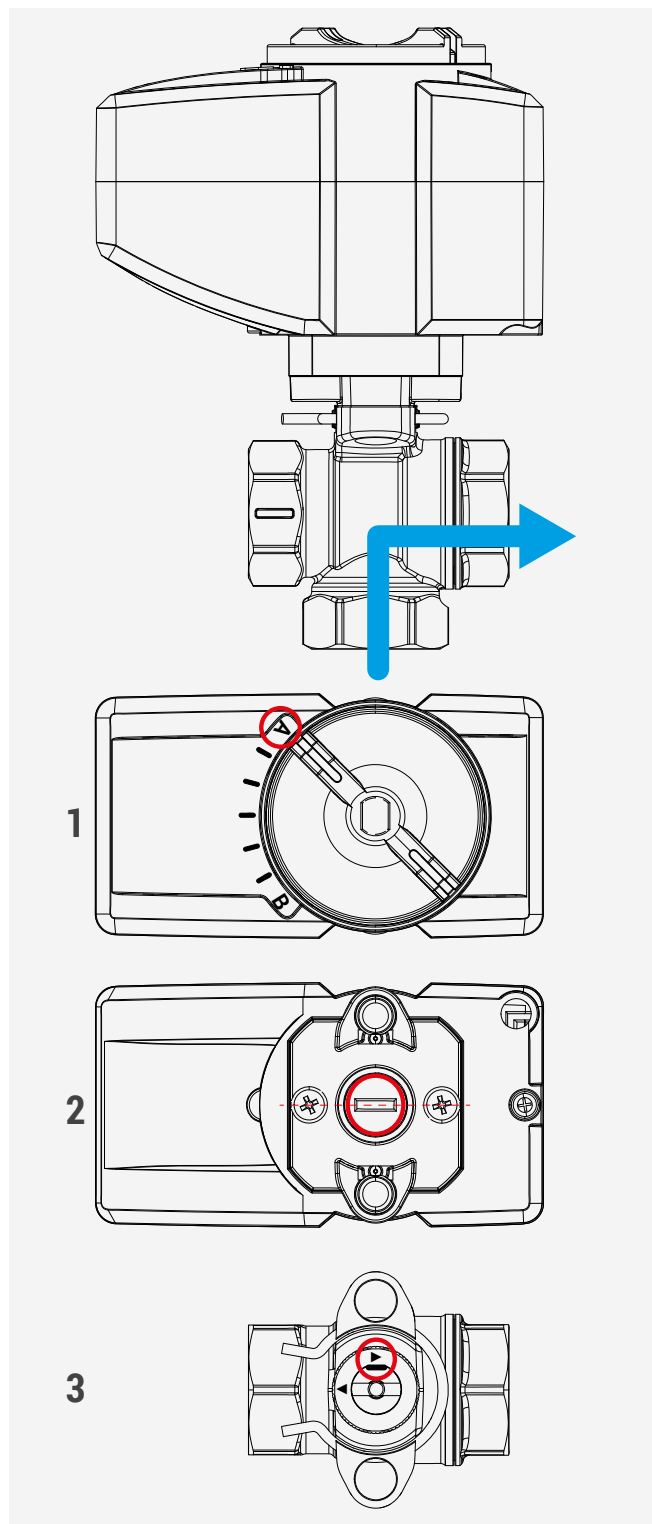
To divert the flow left (i.e. in the direction of the **←** symbol stamped on the valve body), make sure that:

- 1) the actuator knob is in position B;
- 2) the actuator stem is aligned with the fitting pins;
- 3) the outer milling on the ball stem of the diverting valve is near the left arrow **←** and the **←** symbol stamped on the valve body.

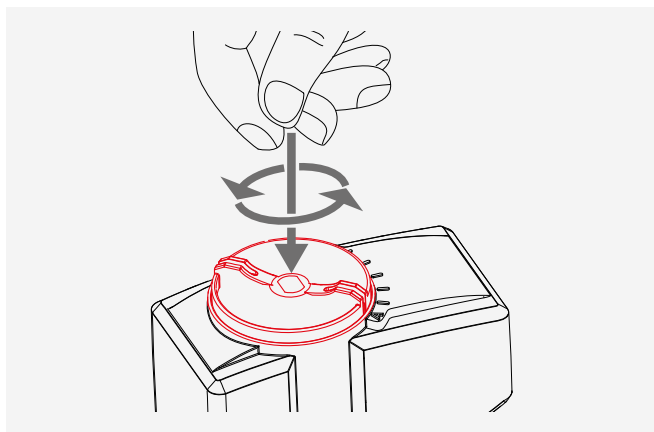


To divert the flow right (i.e. in the direction of the **→** symbol stamped on the valve body), make sure that:

- 1) the actuator knob is in position A;
- 2) the actuator stem is aligned with the plate screws;
- 3) the outer milling on ball stem of the diverting valve is near the right arrow **→** and opposite to the **←** symbol stamped on the valve body.



Manual release

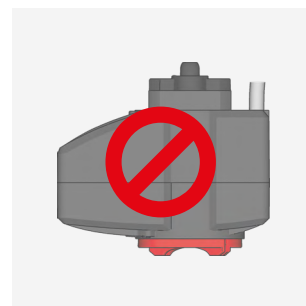
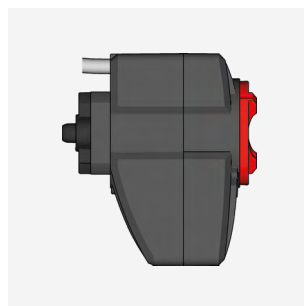
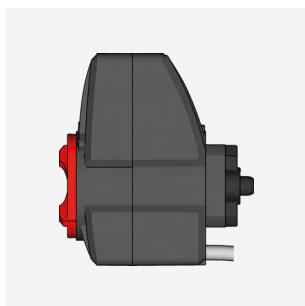
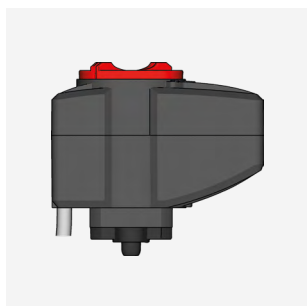


The actuator can be moved manually by pushing down and turning the top red knob.

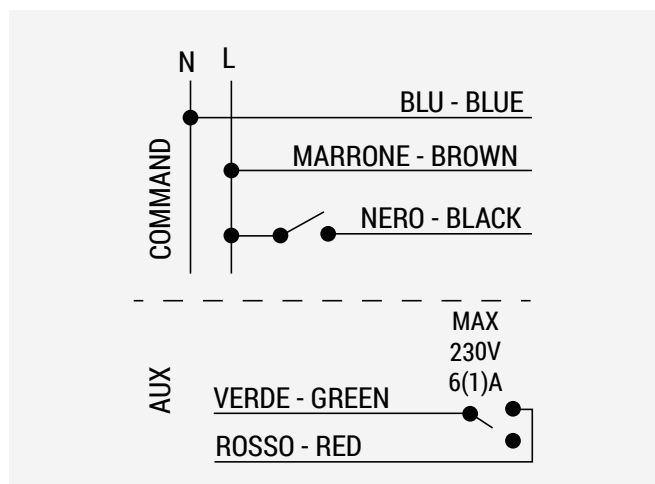
Installation

The K270Y111 actuator should be assembled horizontally or vertically with the lid facing upwards. It must be installed in dry and protected areas that are easy to access for future maintenance interventions. Do not cover with insulating material.

Available positions



Electric connections



⚠ WARNING. Make sure to shut down the power supply before performing the connections.

⚠ WARNING. Wire the device and check the electric connections before powering the system. Short circuits or improper wiring may permanently damage the electrical components of the actuator.

CONDUCTOR COLOR	FUNCTION
Blue	Neutral
Brown	Phase
Black	Control
Green/Red	Auxiliary contact

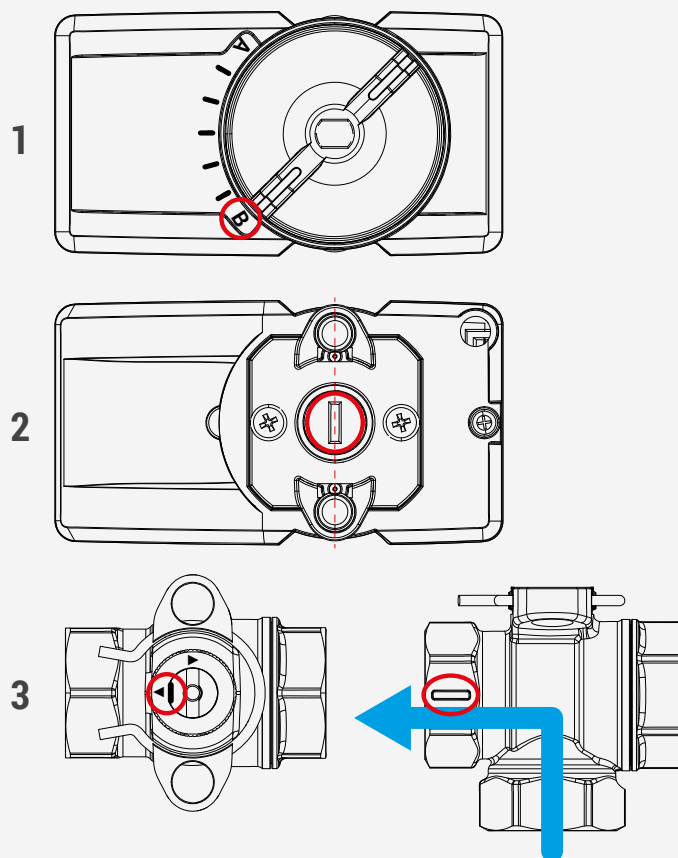
Control description

ACTION	INPUT	AUXILIARY CONTACT
Position B	Blue - Brown	Open
Position A	Blue - Brown - Black	Closed

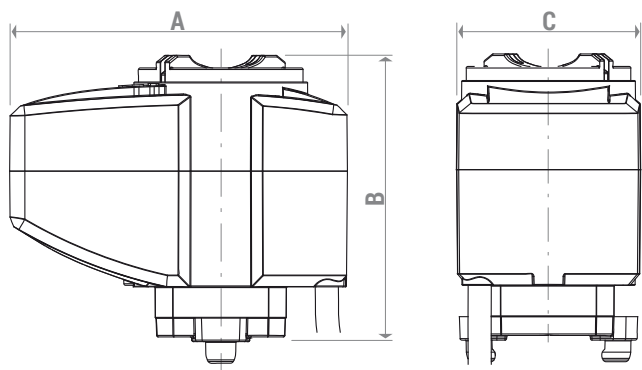
Installation with R279D diverting valves

For proper installation of the K270Y111 actuator on the R279D diverting valve, make sure:

- 1) the actuator knob is in position B;
- 2) the actuator stem is aligned with the fitting pins;
- 3) the outer milling on the ball stem of the diverting valve is near the left arrow ◀ and the — symbol stamped on the valve body.



➤ Dimensions



PRODUCT CODE	A [mm]	B [mm]	C [mm]
K270Y111	108	92	59

➤ Reference standards

- CE, UKCA, EAC marking
- EMC 2014/30/EU
- LVD 2014/35/EU
- ROHS 2011/65/EU
- Reg. (CE) 1907/2006 (REACH)
- EN 60730-2-14 along with EN 60730-1

➤ Product specifications

K270Y111

Fast acting actuator for control of R279D diverting valves in heating and/or cooling systems. Knob for manual maneuvering included. Power supply 230 V. Type of control: ON/OFF. Rotation angle: 90°. Maneuvering time: 10. Max torque: 6 Nm. Electric absorption: 7 W. Protection rating: IP54. Room temperature working range: 0÷50 °C. Stroke-end microswitch: 6(1) A. CE, UKCA, EAC marking. EMC 2014/30/EU. LVD 2014/35/EU. ROHS 2011/65/EU. Reg. (CE) 1907/2006 (REACH). EN 60730-2-14 along with EN 60730-1.

⚠ Safety Warning. Installation, commissioning and periodical maintenance of the product must be carried out by qualified operators in compliance with national regulations and/or local standards. A qualified installer must take all required measures, including use of Individual Protection Devices, for his and others' safety. An improper installation may damage people, animals or objects towards which Giacomini S.p.A. may not be held liable.

♻ Package Disposal. Carton boxes: paper recycling. Plastic bags and bubble wrap: plastic recycling.

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♻ Product Disposal. Do not dispose of product as municipal waste at the end of its life cycle. Dispose of product at a special recycling platform managed by local authorities or at retailers providing this type of service.