

DESCRIPTION

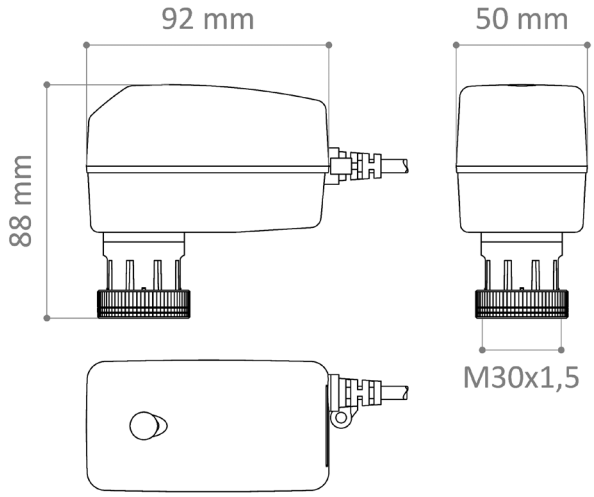
RVAZ2

24 V electromotive floating (3 points) or ON/OFF actuator to drive Pettinaroli **PICV 92 series.**

Equipped with stroke detection system and 4 mm Allen key for manual operation.

Connection M30x1,5 ring nut and adaptable to Pettinaroli's standards through specific adapter.

DIMENSIONS



TECHNICAL FEATURES

Type	Floating (3 points) or ON/OFF	*Temperature ambient range*	0 °C / 50 °C (non condensing)
Supply voltage	24 V AC/DC ± 15%	*Unidity ambient range*	0% / 95% UR (non condensing)
Inrush current	1,6 A	*IP class*	IP54
Power consumption	2 W / 6 VA	*Weight*	232 g (with key)
Maximum stroke	8,5 mm	*Manual override*	By 4 mm Allen key
Running time	5,5 s/mm	*Connection cable*	3 x 0,25 mm^2 (halogen free)
Actuating force	200 N	*Cable lenght*	1,5 m
Visual position indicator	LED	*Adapter*	0A748X (not included)

The RVAZ2 electromechanical actuator is used to control the Pettinaroli **PICV 92 series** valves installed in heating/cooling systems managed by means of BMS (Building Management System) or room thermostats capable of managing a 24 V signal. The achievavle control can be of the floating type (3 points) or ON/OFF.

For more information about the wiring see the "ELECTRICAL CONNECTIONS" chapter.

The actuator incorporates an M30x1,5 connection nut. In order to install it on the valves of the **92** range it is necessary to use a suitable adapter **0A748X** which must be ordered separately.



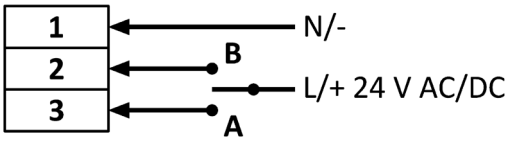
Adapter **0A748X**

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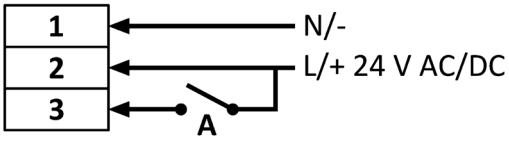
ELECTRICAL CONNECTIONS

Electrical connections are different according to the type of command desired:

Floating mode (3 punti)



ON/OFF mode



1	2	3	A	B
White	Black	Red	Stem extension (closing of the valve)	Stem retraction (opening of the valve)

OPERATING STATUS INDICATOR

The RVAZ2C electromotive actuator is equipped with a two color LED (red/green) which allows to evaluate the operating status of the actuator in accordance with the table below:



LED off	No power supply
Green LED fixed light	Actuator moving, under operation
Green LED quick flash	Stroke adaption
Green LED slow flash (Flash twice + Off 2 sec.)	Bottom end of stroke reached (0% of the stroke)
Green LEd slow flash (Flash twice + On 1 sec. + Off 1 sec)	Top end of stroke reached (100% of the stroke)
Red LED fixed light	Error on the internal limit switches / More than 2 errors
Red LED quick flash	Error on one of the internal limit switches
Red LED slow flash (Flash twice + Off 2 sec.)	Auto stroke adapt fault

INSTALLATION

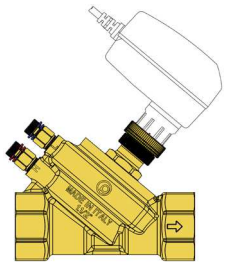


Fig. 1

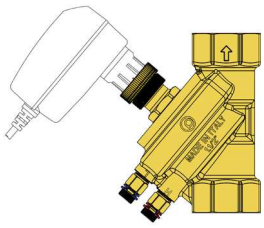


Fig. 2

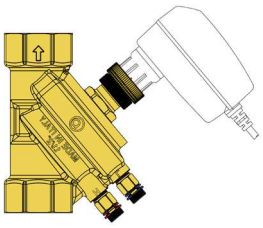


Fig.3

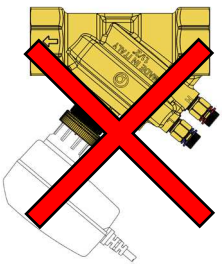


Fig. 4

- For electrical safety reasons the RVAZ2 electromotive actuator has to be installed as shown by pictures 1, 2 or 3. The upside down installation shown in picture 3 must be avoided. Always make sure that the pin is in fully retracted position before installing the actuator on the valve;
- Do not power the actuator if not installed on the valve;
- Tighten the connecting ring by hand only. Do not use any tools;
- Keep a clear space of 15 cm over the actuator to access it, if required.

APPROVALS

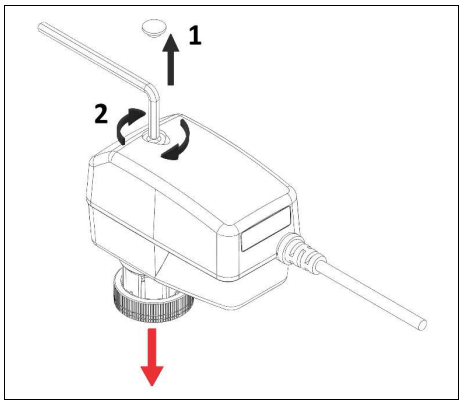
CE

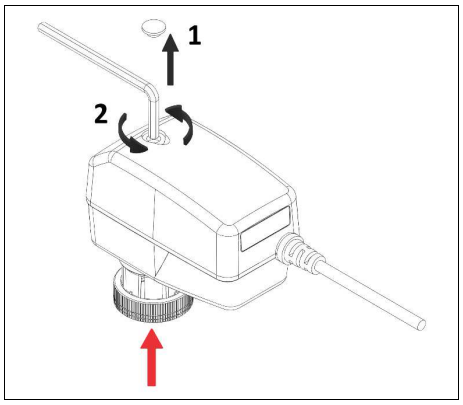
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MANUAL OVERRIDE

If necessary it is possible to manually operate the actuator by using a 4 mm Allen key supplied with the actuator itself. To do this you need to follow the following steps:

1. Remove the manual override rubber seal placed on the top of the actuator;
2. Insert the Allen key to turn the existing lead screw. In particular, turn it CLOCKWISE to extend the stem (closing of the valve) while turn it COUNTERCLOCKWISE to retract the stem (opening of the valve).





⚠ When the manual rubber override seal is open, IP54 rating no longer applies.

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