



AZD 904



AZP 1401

Technical Data

Supply voltage	230Vac / 24Vac/dc, ON/OFF 24Vac, proportional 24Vac PWM, Pulse with modulation
Frequency	50/60Hz
Power cable	2m bipolar (0.35mm ²) 2m triple-pole (0.35mm ²) proportional
Protection degree	IP44 (vertical mounting)
Temperature	
- operation	+2 to +50°C
- storage	-10 to +60°C
Housing	Technopolymer fire-resistant case, class V0

Consumption	AZD 230V	AZD 24V	AZP
Starting	50VA	4VA	5VA
Operation	1.8VA	1.8VA	1.8VA

Features

- Can be used up to kvs-valve 6.0
- Position indicator
- Applied in hot and chilled water applications
- Precise control of valves
- Compact design
- Maintenance-free
- On/Off, PWM or 0-10Vdc control signal
- Force: 90N or 140N

Application and use

AZD and AZP electrothermal actuators can be used with VZ valves.

Operation

The actuator-valve assembly is easily made thanks to its threaded ring nut, which allows a comfortable cable positioning.

All models are provided with a yellow stroke indicator.

The actuators are available in the ON-OFF (230V and 24Vac/dc) and in modulating (24V) with 0-10Vdc signal versions.

PWM can be used on AZD 904 or AZP 1404

Options

PS - actuator with M28x1.5 modified ring nut.

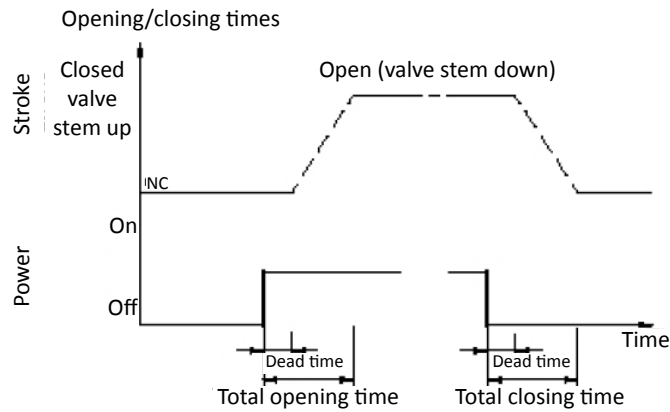
For ordering add suffix PS to standard codes.

Ordering Codes on next page

AZD 904	90N	Valve Actuator	24Vac, on/off, pwm
AZD 903	90N	Valve Actuator	230Vac, on/off
AZP 901	90N	Valve Actuator	24Vac, 0-10Vdc
AZD 1404	140N	Valve Actuator	24Vac, on/off, pwm
AZD 1403	140N	Valve Actuator	230Vac, on/off
AZP 1401	140N	Valve Actuator	24Vac, 0-10Vdc

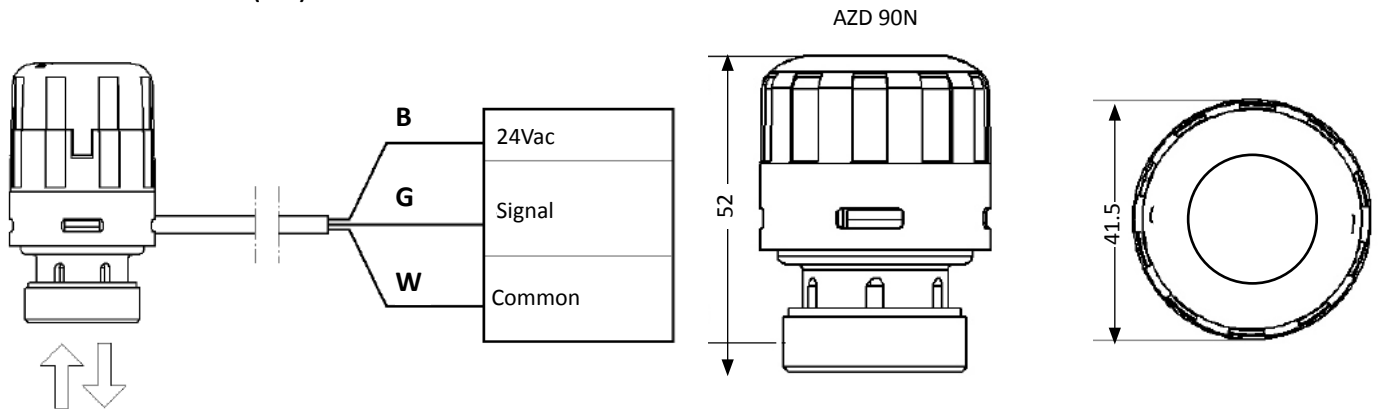
Options

PS - actuator with M28x1.5 modified ring nut.



Actuator timing details (approx.) in seconds							
Actuator	Voltage	Valve opening		Valve closing (after 5' power on)		Valve closing (after 30' power on)	
		Dead zone	Total time	Dead zone	Total time	Dead zone	Total time
AZD	230V	80	230	180	390	150	400
AZP	24V	150	400	180	390	150	400

ELECTRIC CONNECTIONS (AZP)

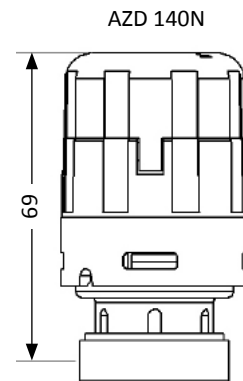


B = brown (24Vac - 50/60Hz)
G = green (control signal 0-10Vac/dc)
W = white (common)

SAFETY MEASURES

230V products

1. Install on the power supply line a screening device to avoid short circuits (fuse or magneto-thermic) according to the reference standards.
2. In case of actuator removing from skilled staff, be sure that the power supply is disconnected.
3. Products are maintenance free.



We cannot be held responsible for errors in the manual/datasheet and reserve the right to correct any errors and to make product improvements, which may affect the accuracy of the manual/datasheet, without prior notice.