

Power OPEN Power CLOSED Actuated WRAS Ball Valve 0–40 Bar

c/w visual position indicator, manual override, volt-free feedback cam switches | IP67

A minimum 1 minute stop time is required between cycles, for cooling.
When in position the actuator only takes greatly reduced power (0.6W), for the anti-condensation internal space heater



Technical Specification

Media: air – water – gas – oil
Pressure range: 0 Bar – 40 Bar maximum
Media temperature: –20°C to +80°C
Ambient temperature: –20°C to +60°C
Cycles: 20,000
Operating time: 10–15 Sec
Duty cycle: 75% (min 1 minute stop between cycles for cooling)
Mounting: horizontal or vertical (not inverted)

20Nm Actuator for ½" – 2" size WRAS ball valves

Torque working: 20Nm
Torque max break: 25Nm
Multiple ISO 5211 mountings: F03 / F04 / F05 × 14mm

Valve Body: Brass CW 617N and CW 614N
Seals: PTFE; Viton + NBR WRAS approved
Actuator: ABS Engineering Plastic

RP-CN-X20-2BW model Power Open Power Closed Actuated Ball Valve | ½" – 2" sizes

12vDC Option

Range: DC 10v–15v

Moving only: 15 Watts
Heater Power: 0.6 Watts
Peak current: 0.94A
Fuse: 2A
Moving time: 15 Seconds

Order Codes:

½" 12vDC RP-CN-X20-2BW/POPC
¾" 12vDC RP-CN-X20-2BW/POPC
1" 12vDC RP-CN-X20-2BW/POPC
1¼" 12vDC RP-CN-X20-2BW/POPC
1½" 12vDC RP-CN-X20-2BW/POPC
2" 12vDC RP-CN-X20-2BW/POPC

24vAC/DC (50/60Hz)

Range: AC 18v–26v; DC 22v–28v

Moving only: 15 Watts
Heater Power: 0.6 Watts
Peak current: 0.94A
Fuse: 1A
Moving time: 10 Seconds

Order Codes:

½" 24vAC/DC RP-CN-X20-2BW/POPC
¾" 24vAC/DC RP-CN-X20-2BW/POPC
1" 24vAC/DC RP-CN-X20-2BW/POPC
1¼" 24vAC/DC RP-CN-X20-2BW/POPC
1½" 24vAC/DC RP-CN-X20-2BW/POPC
2" 24vAC/DC RP-CN-X20-2BW/POPC

110–240vAC (50/60Hz)

Range: AC 95v–265v

Moving only: 15 Watts
Heater Power: 0.6 Watts
Peak current: 0.94A
Fuse: 2A
Moving time: 10 Seconds

Order Codes:

½" 110-240v RP-CN-X20-2BW/POPC
¾" 110-240v RP-CN-X20-2BW/POPC
1" 110-240v RP-CN-X20-2BW/POPC
1¼" 110-240v RP-CN-X20-2BW/POPC
1½" 110-240v RP-CN-X20-2BW/POPC
2" 110-240v RP-CN-X20-2BW/POPC

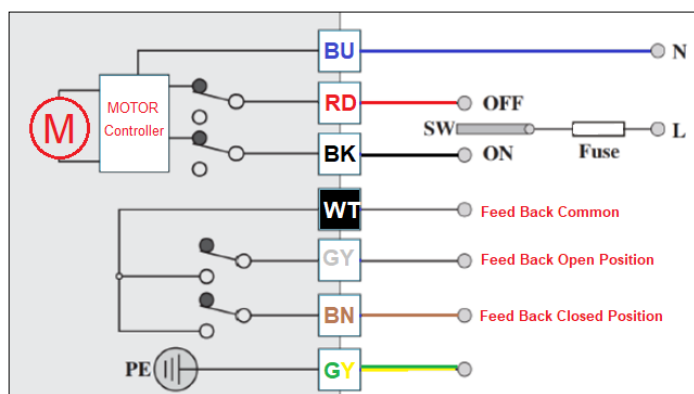
Actuator overview—Points to note and follow:

- **DO NOT** remove the actuator cover at any point. Doing so will invalidate the warranty.
- **DO NOT** install upside-down. Vertical or horizontal installation is fine.
- This actuator has mechanical manual override function (*allen key supplied*).
- Actuator is rated IP67 (you can search online for full IP ratings, and what IS and ISN'T covered by IP67).
- Designed for safe area use. Actuator is **NOT ATEX** rated and is not designed for hazardous area use.

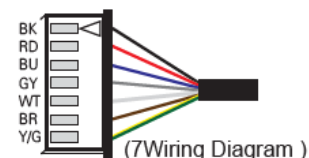
Standard wiring for POWER OPEN/POWER CLOSED Actuator

Standard wiring for all available voltages; 12vDC, 24vAC/DC, 110–240vAC. Our **POWER OPEN/POWER CLOSED** actuators c/w 0.8m cable (16 wire gauge) with white micro 7 pin JST1.25 connector. Connector can be removed if not required.

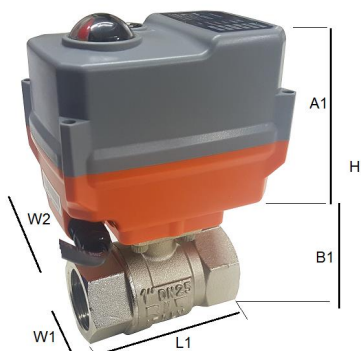
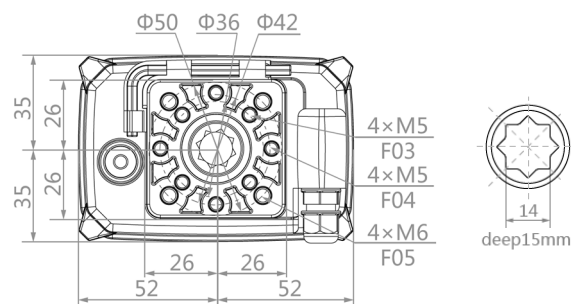
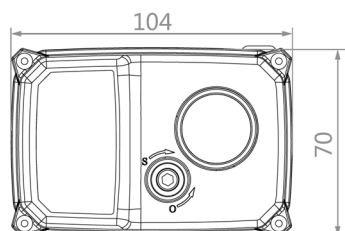
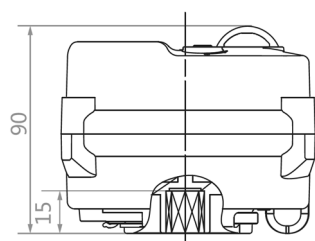
Note that the internal Space heater is pre wired and doesn't require additional wiring. When the actuator is powered, the internal heater will operate.



The actuator cable should come as a cut flying lead but may ship with our factory standard white PIN connector. Please remove and terminate as required. This fitting is purely for our test panels to enable quick testing of the product.



Actuator Dimensions



Overall Dimensions

Port	A1 (cm)	B1 (cm)	H (cm)	L1 (cm)	W1 (cm)	W2 (cm)	Orifice (mm)
1/2	8.5	4.5	13	6	3	6.5	15
3/4	8.5	5.5	14	7	4	6.5	20
1	8.5	6	14.5	8	5	6.5	25
1.1/4	8.5	7	15.5	9	6	6.5	32
1.1/2	8.5	9	17.5	10	7	6.5	40
2	8.5	11	19.5	12	9	6.5	50



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