



WECHAT



WEB

Welcome to HEARKEN

Actuators and Controls

**Hearken
Here We
Can**

The Trusted, Passionate and focused Partner in Valve Automation

At HEARKEN FLOW, The founding principle of Hearkenflow is simple: to Listen our customers needs first, to develop the innovative valve actuators solutions , to meet the unique needs of our customers, Along the way, To help our customers to solve the problems in Valve Automation. We are growing our brand in Pneumatic and Electric Actuators, Accessories..



WHY WE ARE DIFFERENT

We offer a complete valve automation solution by the applications experience and customization capabilities, with an experienced support team to guide you in selection, installation, and project support. In addition we maintain an extensive supply of product inventory on hand so that we can quickly fulfill orders and reduce wait times. Our sales and support staff are readily available and accessible so that customers get the answers they need quickly.

- Experienced team
- Large inventory
- Convenient consultation

THE TARGET WE ARE PURSUING



- To built A strong Reputation in Providing Quality, Cost Effective , Reliable And Robust Performance Solutions for Valve Automation,
- Included Pneumatic Actuators, Electrically Actuators, Actuated Valves.



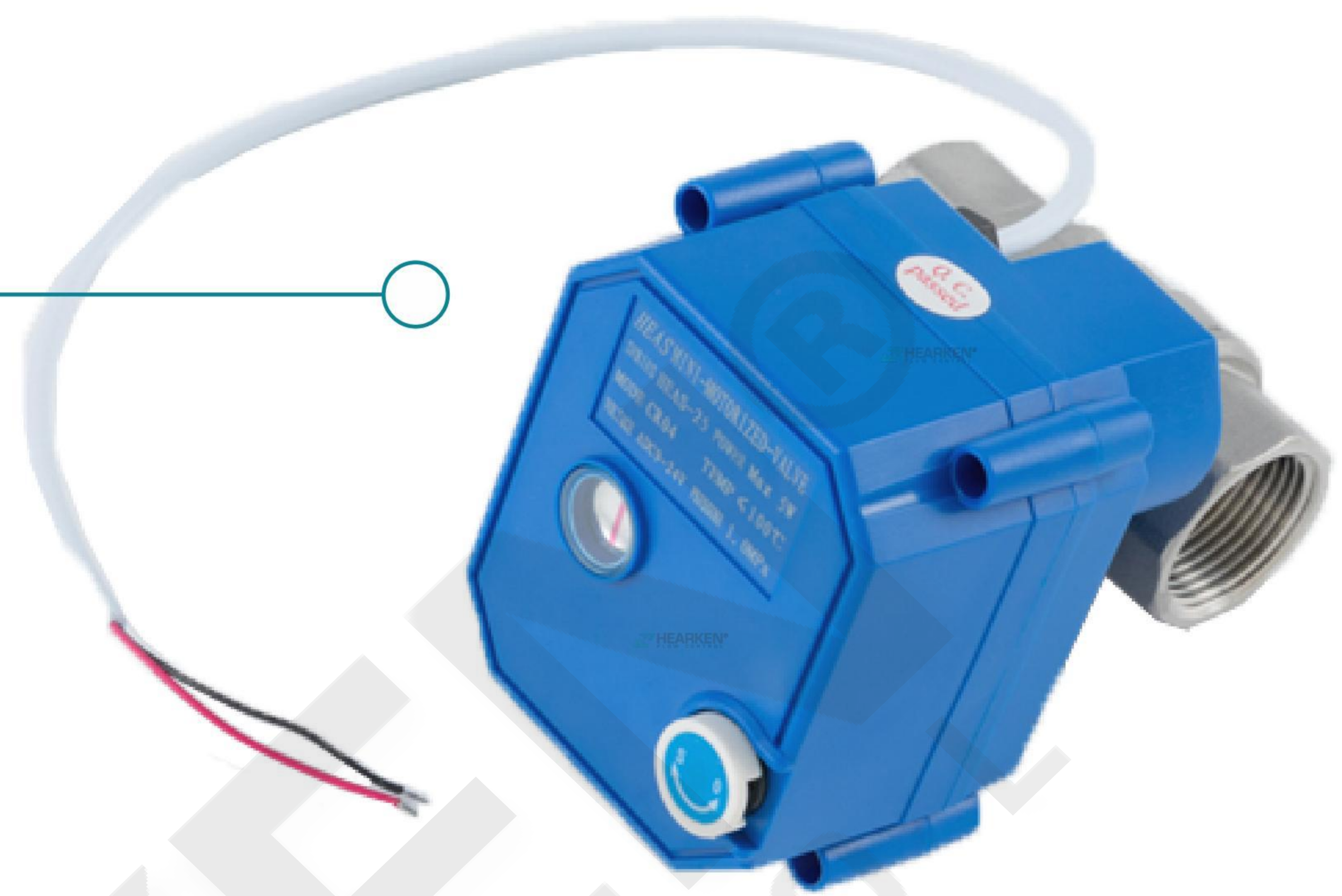
COMMITMENT TO QUALITY

At HEARKEN FLOW means performance, All products manufactured by HEARKEN FLOW are warranted against defects in material and workmanship for a period of 18 months from the day of startup. Each of our products are tested at the factory. we are confident that our products meet or exceed all applicable standards before they ever leave our facility. We are an ISO 9001-2008 certified company. Our Valve Actuators Has Applied for SIL3 Certificate, ATEX Certificate ,CE,Explosion-proof Certificate, IP68 Weather proof etc....





HEAS-25S Series Mini Motorized Ball Valve

Main Features

- POM material gear box ;
- Manual Override, the valve can be operated when power failure;
- Mini dimension and position indicator
- Good sealing performance, IP65 enclosure



Application

-  Heat energy meters, fire work, save water system
-  Auto control system, industrial mini auto control equipment
-  Water saving equipment, drinking water equipment
-  Air-conditioning fan coil(HVAC)

Testing for Actuators



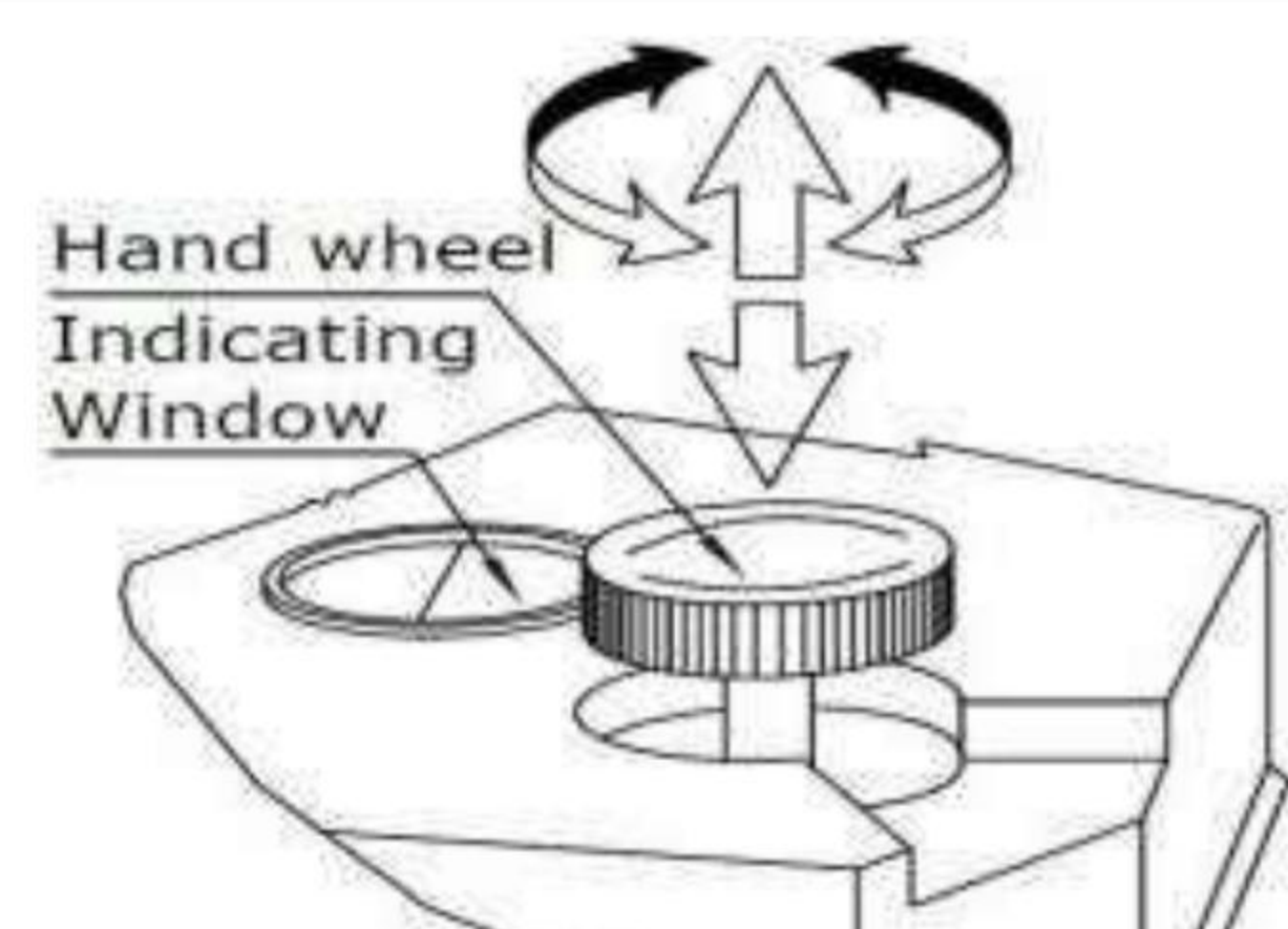
All valve actuators manufactured by HEARKEN are individually tested, Testing is carried out to check the leakage in both internal and external, All bodies are stamped with year, month of production size and serial number.

Technical Parameters

Series	Working voltage	Max. Current	Max. Torque	Open/close time	Control mode	Max. pressure	power	Medium temperature	Size	Enclosure	Special function
HEAS-25S	DC3-6V DC12V A/DC9-24V AC220V AC85-265V	80mA	2.5N.m	<8s	CR01 CR02 CR03 CR04 CR05	1.0Mpa	<2W	0-90°C	DN8-32 Two way DN8-20 Three way	IP32	Wireless switch control (within 200 meters)

WIRING

Cr01 (2 WIRES)	Cr02 (3 WIRES)	Cr03 (3 WIRES)	Cr04 (2 WIRES)	Cr05 (5 WIRES)
Standard control	Two point control	One point control	Auto-return	Signal feedback



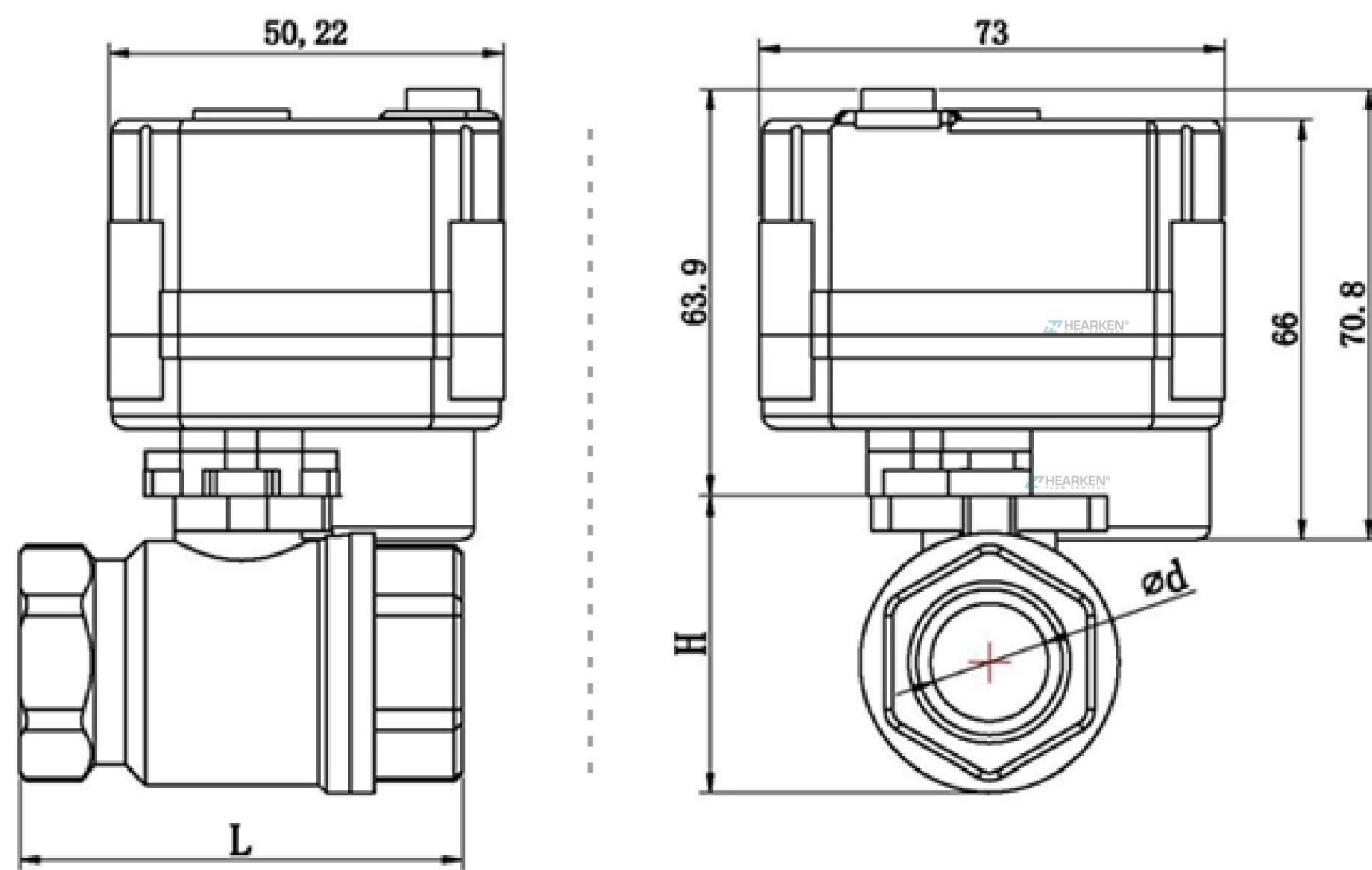
INSTRUCTION FOR MANUAL OVERRIDE

It is only permitted to use when power-off.

Lift the hand-wheel, and turn it left or right until the valve is in place.

When the black line on the indicator is horizontal, the valve is on; when vertical, the valve is off.

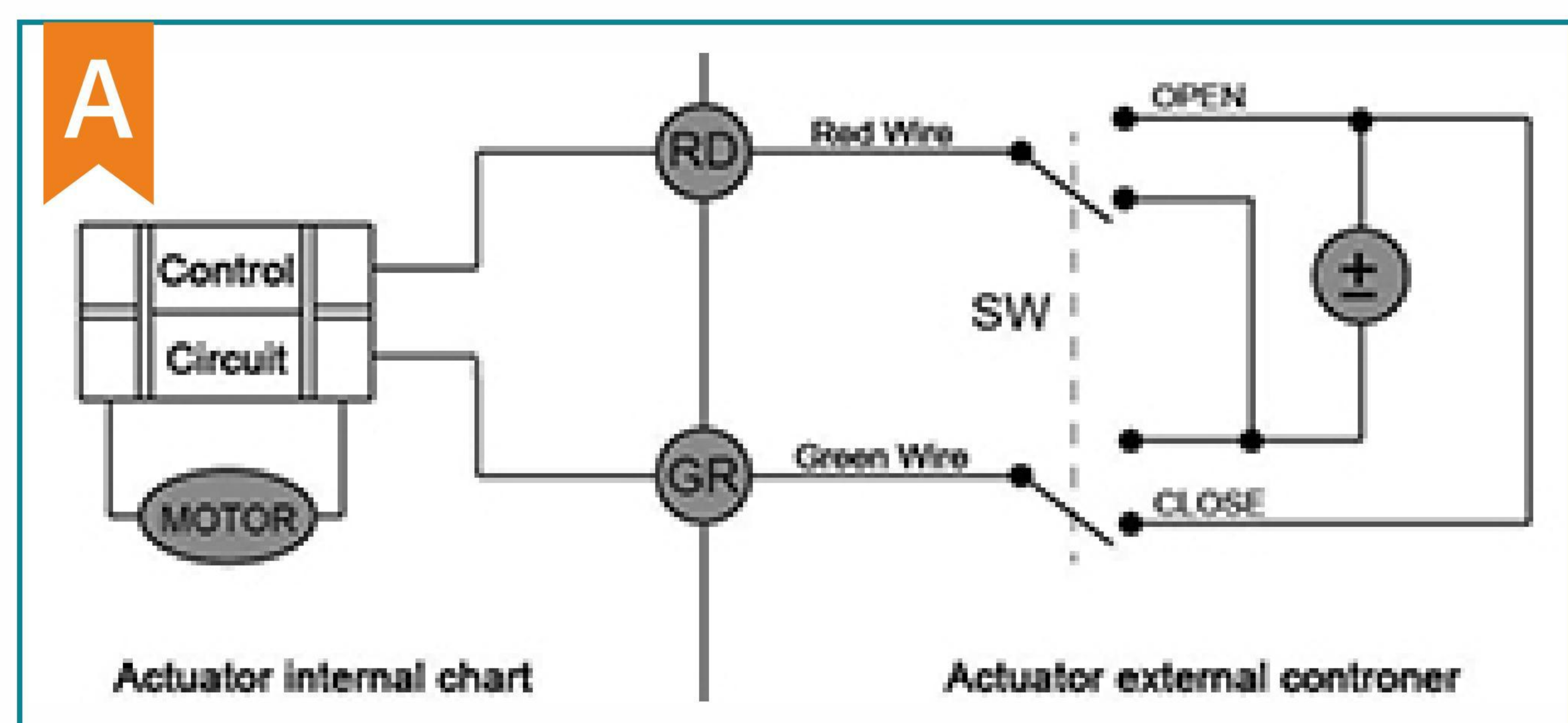
Dimensions



Parts	Material
Valve body	Brass/Nickel plated Brass/SS304 316
Valve body	Silicon Rubber/NBR/EPDM
Sealing Seat	PTFE
Valve Ball	Brass/SS304 316

	Port Type	Size	d	L	H	W
		Brass Ball Valve				
	Both Female Screw (Full Port)	DN8	8	46	31	0.357
		DN15	15	57	38	0.433
		DN20	20	71	45	0.513
		DN25	23.5	72	49	0.603
	Both Female Screw (Reduce Port)	DN10	8	46	31	0.356
		DN20	15	66	38	0.448
		DN25	20	72	47	0.608
		DN32	25	86	60	0.82
	Vertical tee	DN15	12	63	49	0.434
		DN20	15	66	53	0.492
	Male and Female Screw	DN15	15	63	38	0.432
		DN20 Reducing	15	66	38	0.462
Both male Screw	DN15	15	68	38	0.424	
	Both Female Screw	DN8	8	46	31	0.0364
		DN10 Reducing	8	46	30.5	0.368
		DN15	15	55	38	0.44
		DN20 Reducing	15	63	39	0.513
		DN20	20	71	45	0.508
		DN25 Reducing	20	75	47	0.608
		DN25	25	72	49	0.617
Stainless Steel Ball Valve						

Wiring Diagram

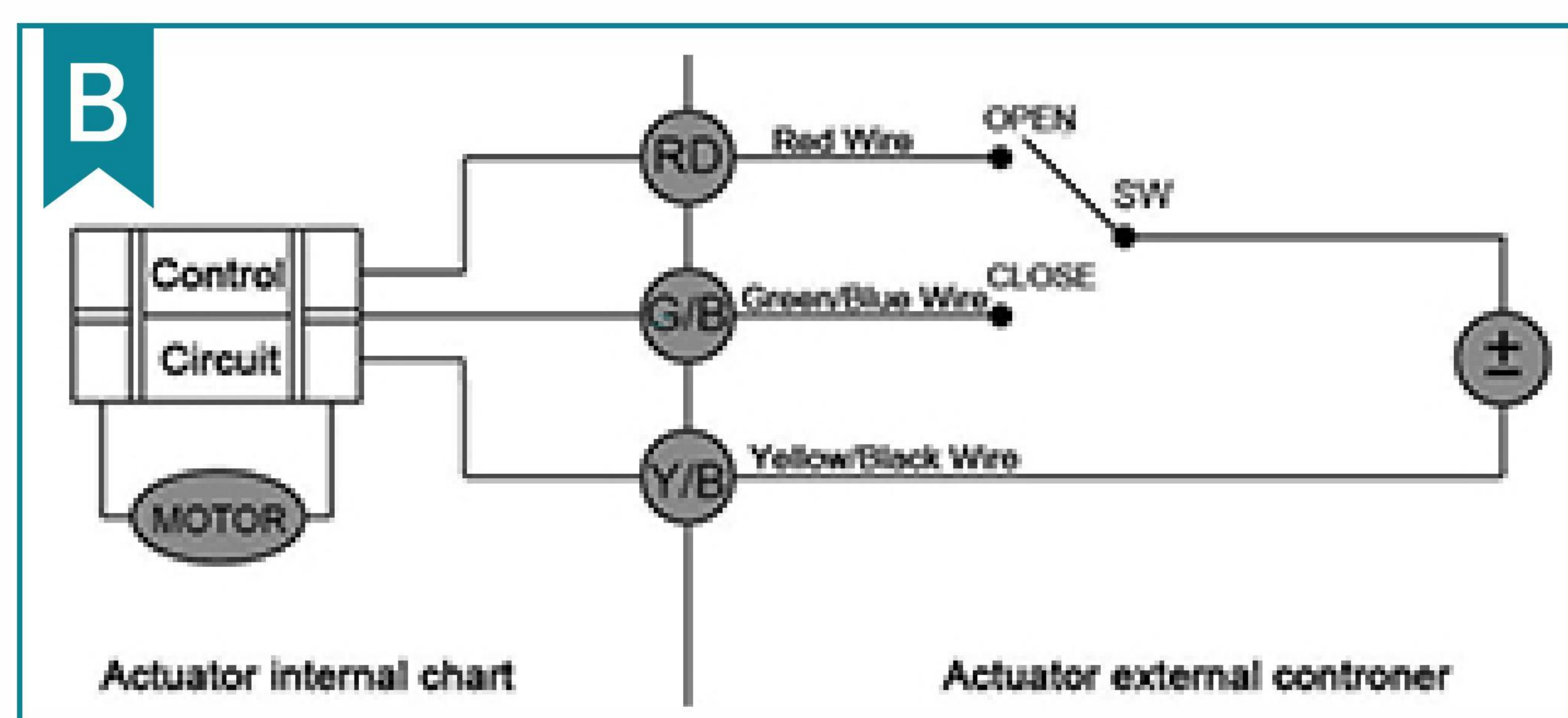


CR01 Voltage : DC3-6V/12V/24V



Connecting SW with OPEN (RED Wire connect with positive, Green Wire connect with negative), the valve opens, getting the position, motor automatically power off, the valve remains fully open position.

Connecting SW with CLOSE (Green Wire connect with positive, Red Wire connect with negative), the valve close, getting the position, motor automatically power off, the valve remains fully close position.



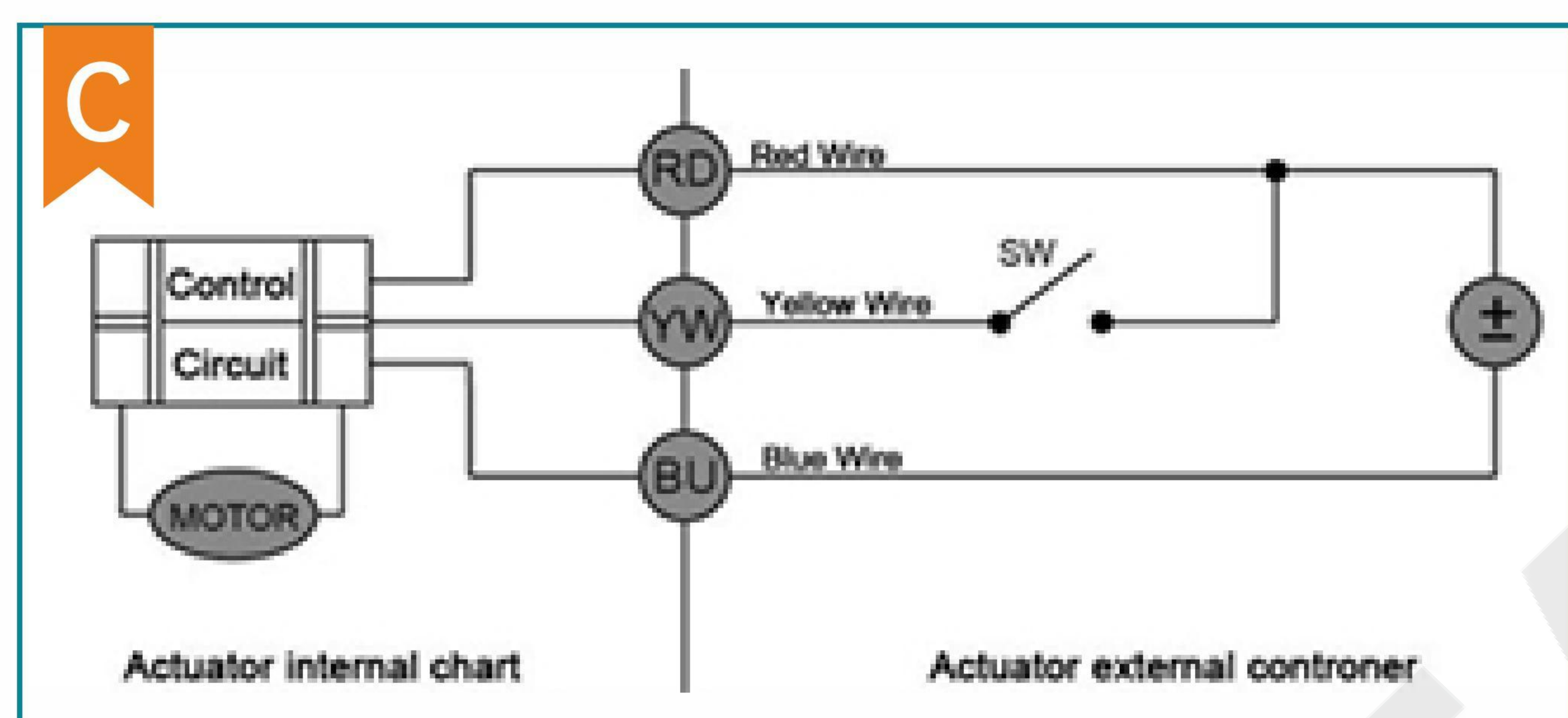
CR02 Voltage : DC3-6V/12V/24V



Connecting SW with OPEN the valve opens, getting the position, motor automatically power off, the valve remains fully open position.

Connecting SW with CLOSE the valve close, getting the position, motor automatically power off, the valve remains fully close position.

Noted: AC24C/AC220V can only be used for CWX-50K series electric valve.

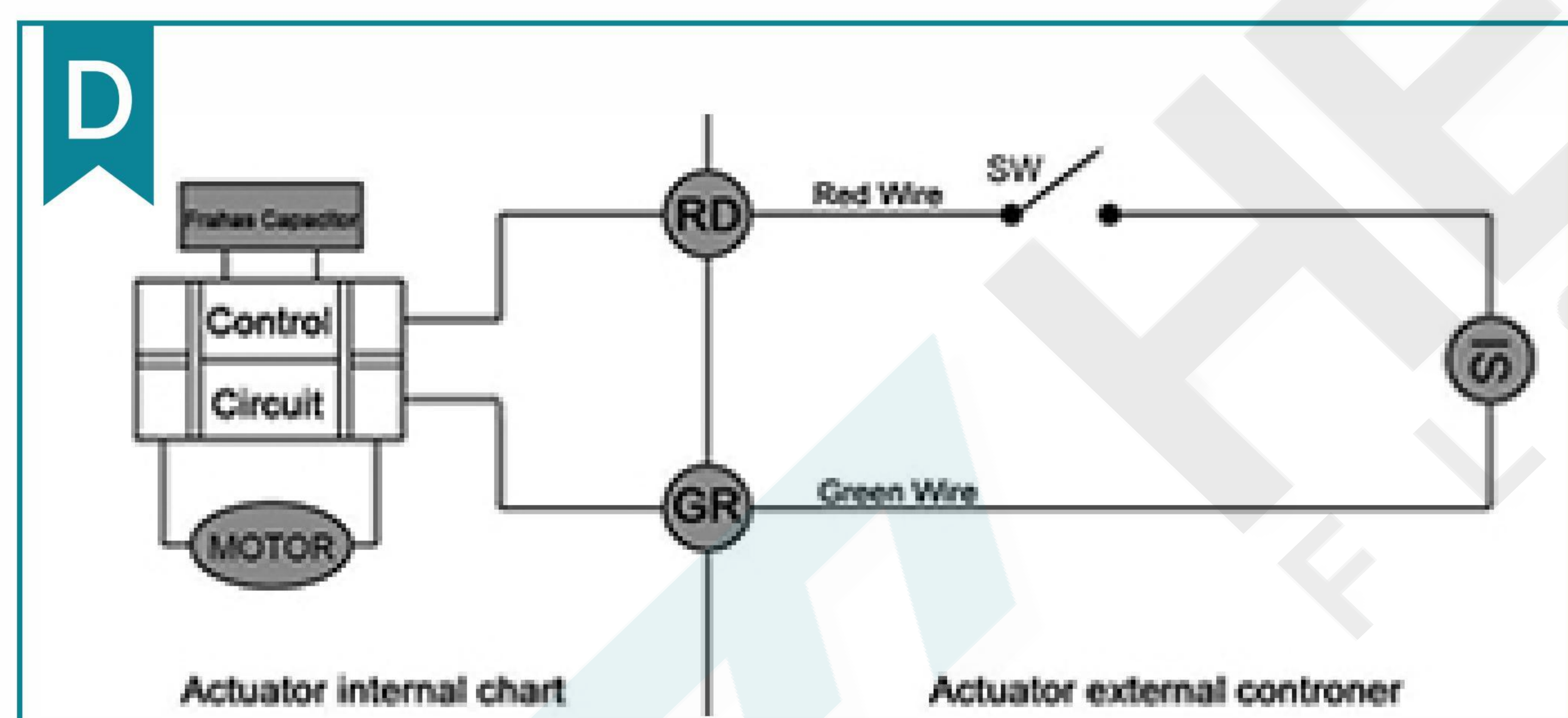


CR03 Voltage : DC3-6V/ADC9-24V/AC85-265V



SW closed, the valve opens, getting the position, motor automatically power off, the valve remains fully open position.

SW open, the valve close, getting the position, motor automatically power off, the valve remains fully close position. Note: When power is DC voltage, Red Wire is "+" and Blue Wire is "-"

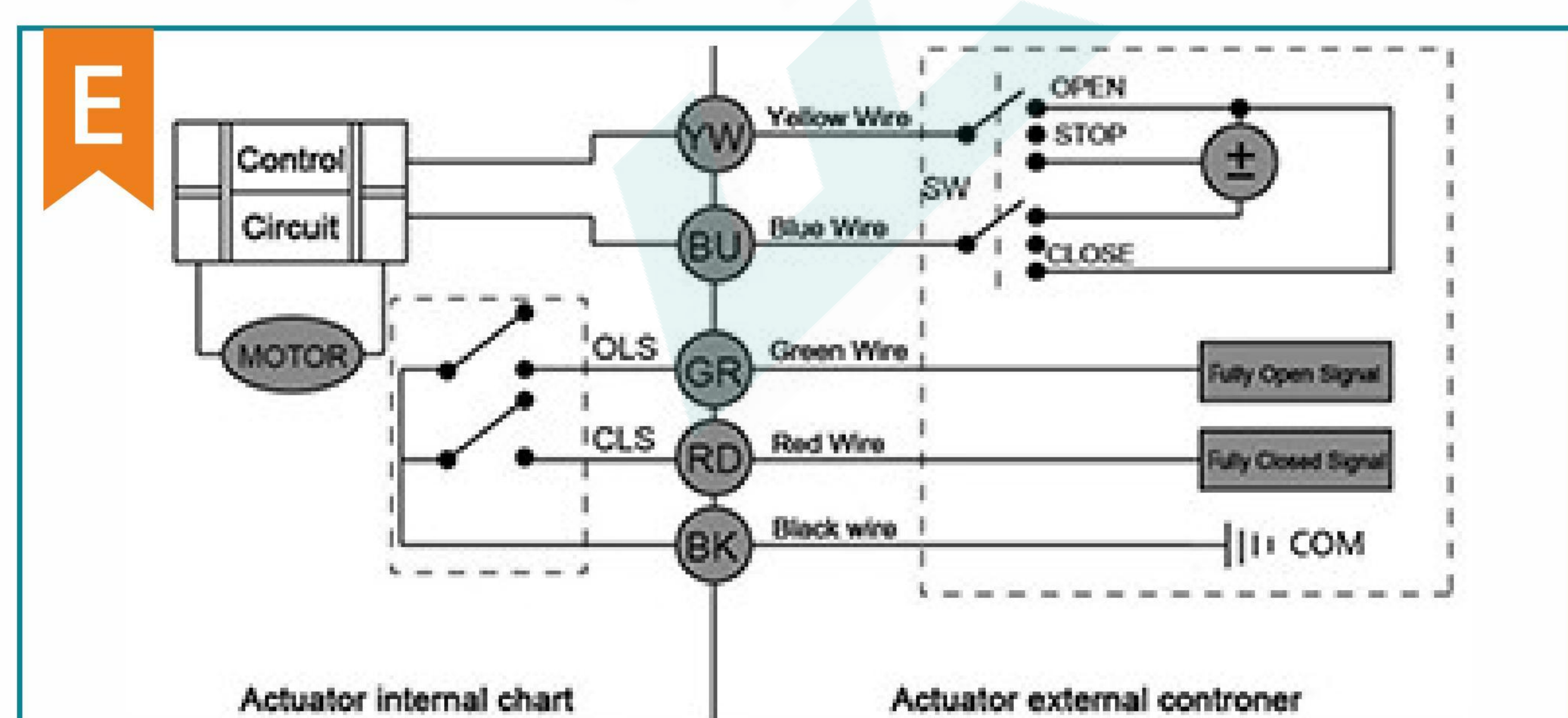


CR04 Voltage : DC3-6V/ADC9-24V/AC85-265V



SW closed, the valve opens, getting the position, motor automatically power off, the valve remains fully open position.

SW open, the valve close, getting the position, motor automatically power off, the valve remains fully close position.



CR05 Voltage : DC3-6V/12V/24V



Connecting SW with OPEN, the valve opens, getting the position green wire output the OLS signal, the controller test the signal OLS, connect SW to STOP (power off the valve immediately), the valve stops and remains fully open position.

Connecting SW with CLOSE, the valve close, getting the position red wire output the CLS signal, the controller test

the signal CLS, connect SW to STOP (power off the valve immediately), the valve stops and remains fully close position. Note: Please make sure the signal wires "red", "black" and "green" be connected at first, then connect the power wire "yellow" and "blue"