TAIZHOU TONHE FLOW CONTROL EQUIPMENT CO., LTD

TONHE

A100-T Series

Electric Stainless steel304 Shut off Valve

Application

- Water meter , water leak detection system and water treatment etc equipment
- HAV and fire works. Automatic drain system
- Irrigation ect small control equipment

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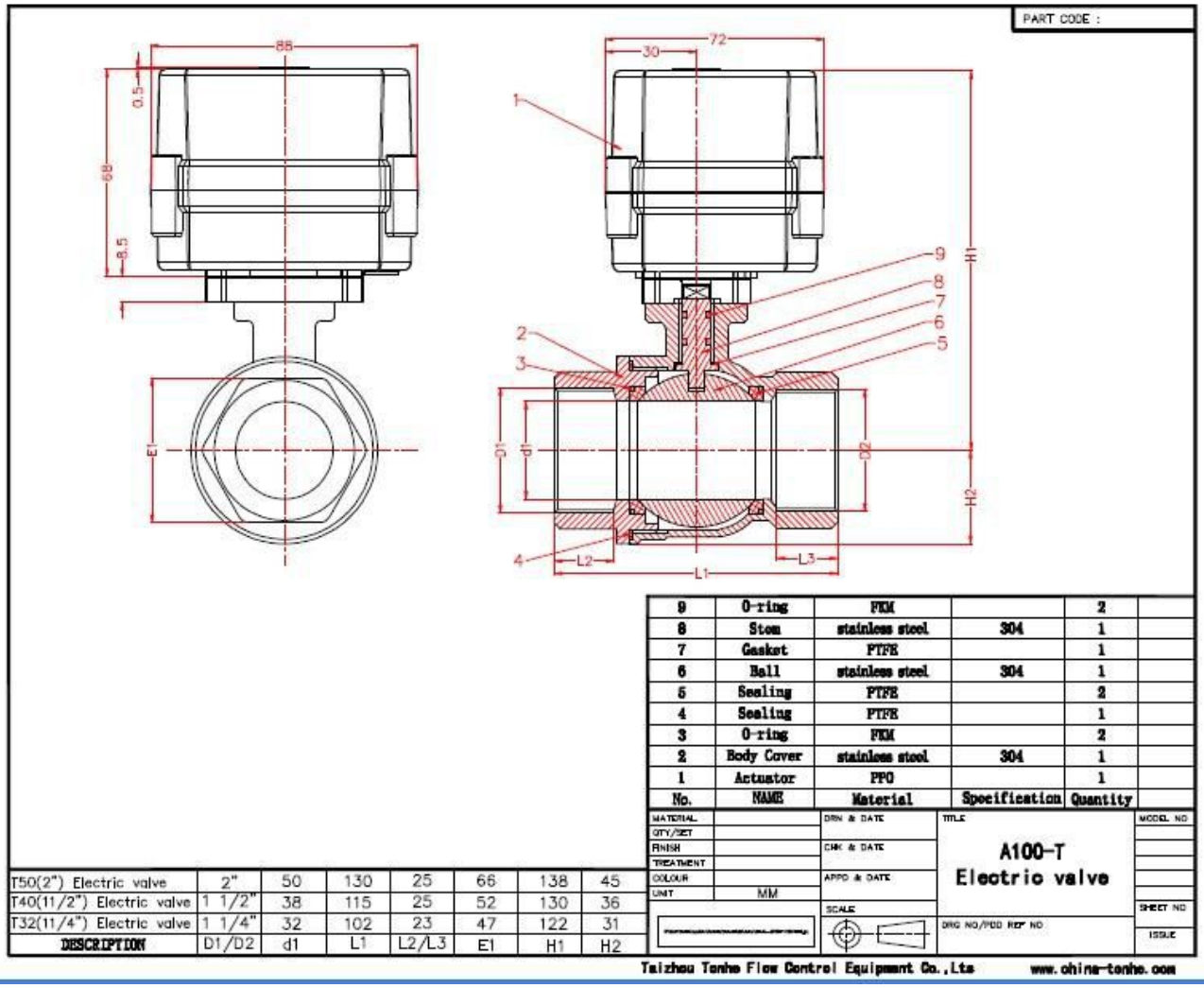
Technical Parameters:

Product size	□NPT/BSP 1-1/4"□NPT/BSP 1-1/2' □NPT/BSP2" （Optional）
Maximum working pressure	1.0MPa
Circulation medium	Fluid, air
Rated voltage	DC12V/AC/DC24/AC110-230V （Optional）
Wiring control methods	CR201/CR202/CR303/CR401/CR501/CR502/CR7-04 （Optional）
Static current	≤1A
Open/close time	≤13S
Life time	70000 times
Valve Body material	304 Stainless steel
Actuator material	Engineering Plastics
Sealing material	EPDM & PTFE
Actuator rotation	90°
Max. torque force	10N.m
Cable Length	0.5m,1.5m, （Optional）
Environment temperature	-15℃～50℃
Liquid temperature	2℃～90℃
Manual override	No
Indicator	Yes
Protection class	IP67

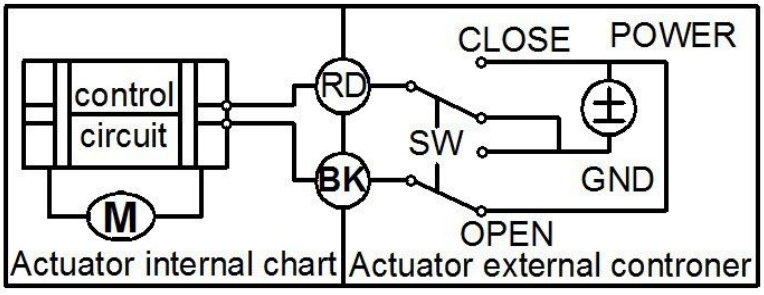
Assemble Diagram :



DESCRIPTION	D1/D2	d1	L1	L2/L3	E1	H1	H2
T50(2") Electric valve	2"	50	130	25	66	138	45
T40(11/2") Electric valve	1 1/2"	38	115	25	52	130	36
T32(11/4") Electric valve	1 1/4"	32	102	23	47	122	31

Wiring diagram

CR2 01 Wiring Diagram (2 wires control)

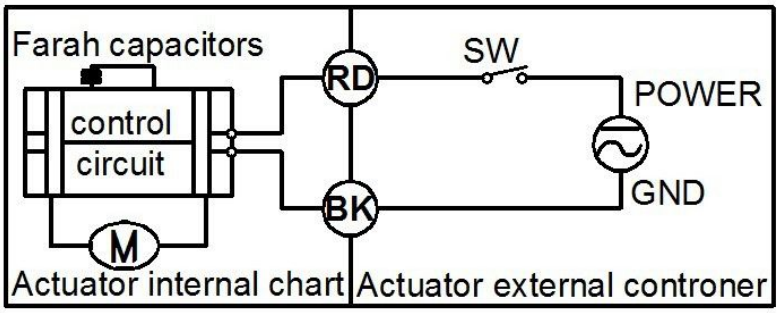


·RD connect with positive, the BK connect with negative, the valve closed, the actuator automatically power off after in place , the valve remains fully closed position .

·BK connect with positive, the RD connect with negative, the valve open, the actuator automatically power off after in place, the valve remains fully open position .

* Suitable Working Voltage: DC12V/DC24V
* Exceeding the working voltage is forbidden

CR2 02 Wiring Diagram (2 wires control – Spring return in case of the power is failure)



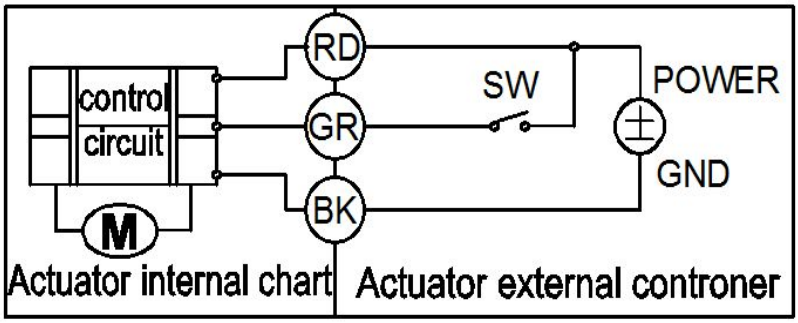
·When SW is closed , the valve open. the actuator automatically power off after in place

·When SW is open, the valve closed, the actuator automatically power off after in place

* Suitable Working Voltage: **AC/DC110V-230V,AC/DC12-24V**

* Exceeding the working voltage is forbidden

CR3 03 Wiring Diagram (3 wires control)



• RD connect with positive, GR connect with SW & positive

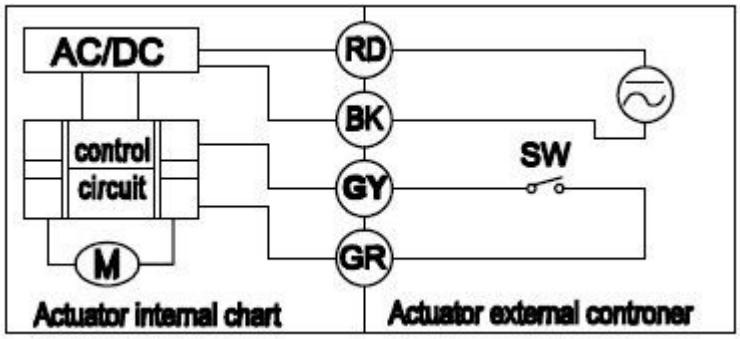
• BK connect with negative

• When the SW of GR closed, the valve OPEN, the actuator automatically power off after in place , remains fully closed position

• When the SW of GR open, the valve CLOSED, the actuator automatically power off after in place , remains fully open position.

* Suitable Working Voltage: AC/DC12V/AC/DC24V

CR4 01 Wiring Diagram (4 wires control)



1、RD & BK are connected to the power, GY& GR are connected to the controlled wiring.

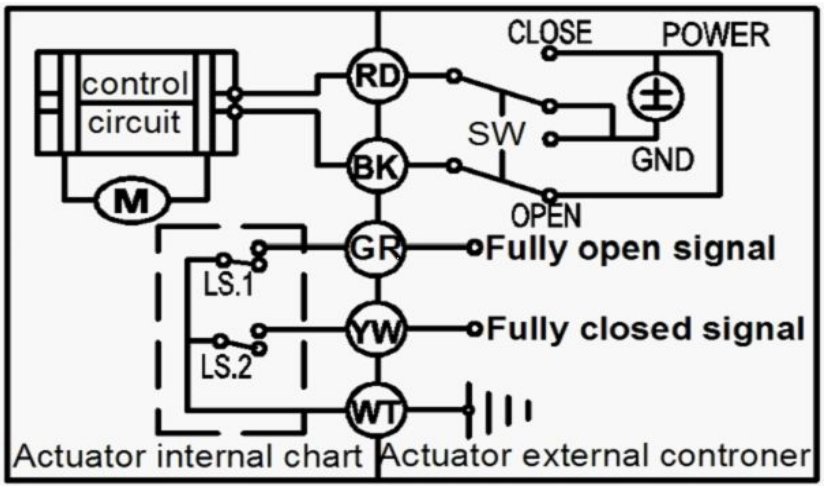
2、When the SW is closed , the valve open

3、When the SW is open , the valve closed

Suitable Working Voltage:**AC110V-230V .**Exceeding the working voltage is forbidden

The control wiring with power DC24V , when muitiple motorized valves are working in paralled , must put the same color control wiring together, otherwise the valve could working normally .

CR5 01 Wiring diagram (with feedback signal)



1. RD connect with positive, the BK connect with negative，the valve closed, the actuator automatically power off after in place .

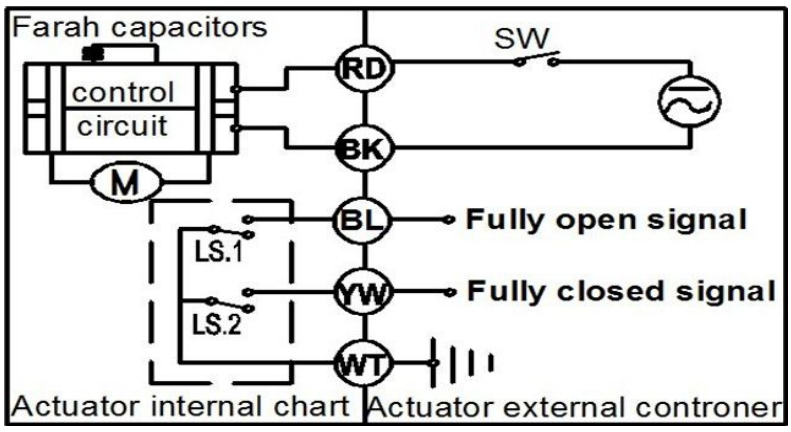
2 BK connect with positive, the RD connect with negative，the valve open, the actuator automatically power off after in place .

4. GR & WT are connect when the valve open fully, YW & WT are connect when the valve closed fully

Suitable Working Voltage:：DC12V/DC24V

Exceeding the working voltage is forbidden

CR5 02 Wiring diagram (with feedback signal)



·When SW is closed , the valve open. the actuator automatically power off after in place

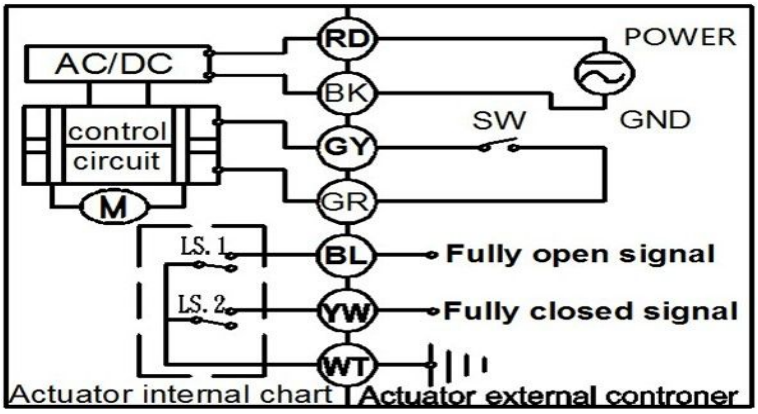
·When SW is open, the valve closed, the actuator automatically power off after in place

＊BL & WT are connect when the valve open fully, YW & WT are connect when the valve closed fully

＊Suitable Working Voltage: **AC/DC110V-230V,AC/DC12-24V**

* Exceeding the working voltage is forbidden

CR7 04 Wiring Diagram (7 wires control with feedback signal)



·RD & BK are connected to the power, GR & GY are connected to the controlled wiring.

·When the SW is closed , the valve open

·When the SW is open , the valve closed

·BL & GY connect with the valve's fully open signal wiring

·YW & WT connect with the valve's fully closed signal wiring.

Suitable Working Voltage:： **AC110V-230V**

Exceeding the working voltage is forbidden