

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

TG ELECTRONICS
Blåbærdalen 30 6518 Kristiansund
Tele:+47 91795392
e-post: post@tgelectronics.no www.tgelectronics.no

Technical Parameters:

Product size

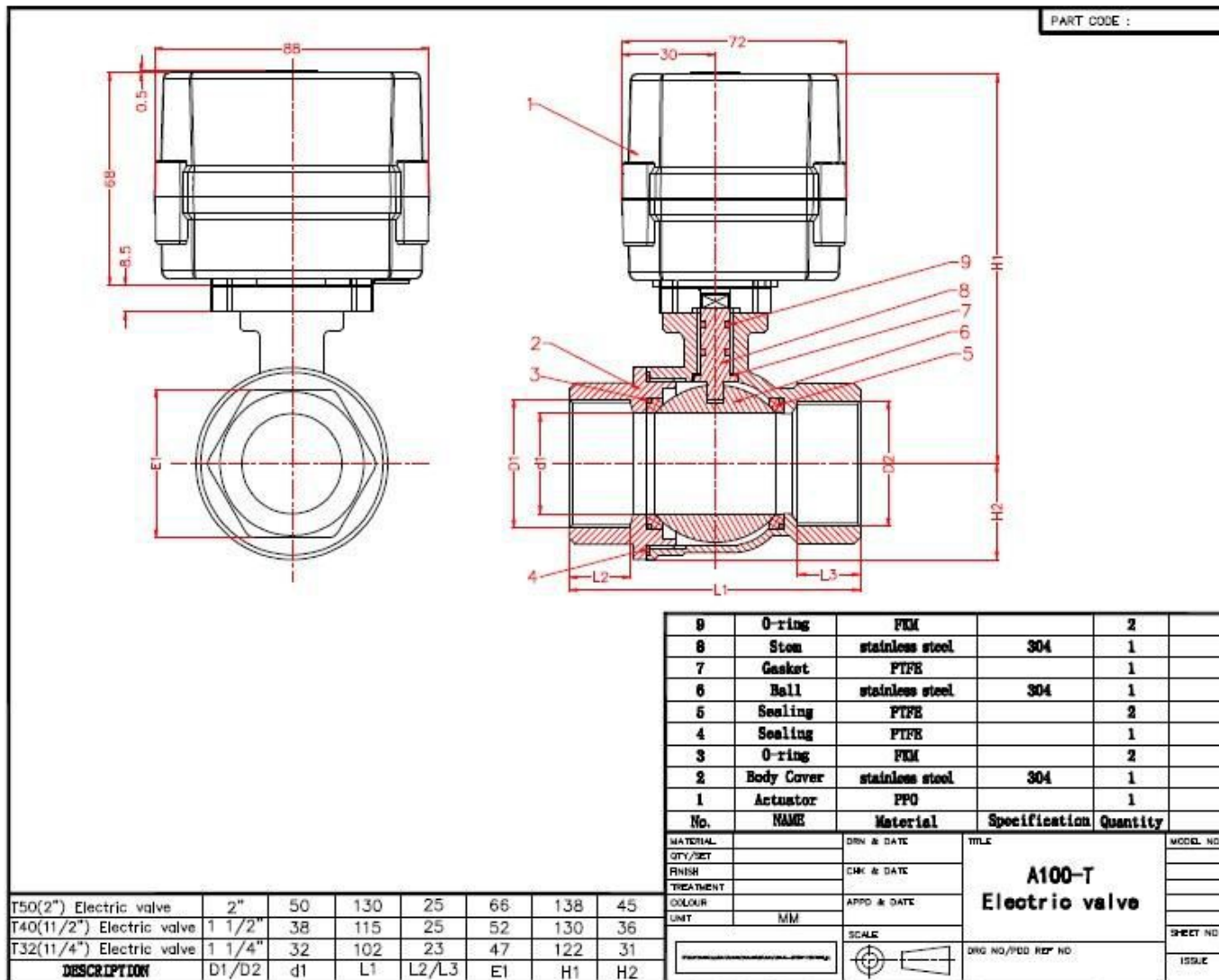
NPT/BSP 1-1/4" NPT/BSP 1-1/2' NPT/BSP2"

(Optional)

| | |
|--------------------------|---|
| Maximum working pressure | 1.0MPa |
| Circulation medium | Fluid, air |
| Rated voltage | AC/DC12-24/AC110-230V (Optional) |
| Wiring control methods | CR201/CR202/CR303/CR401/CR501/CR502/CR7-04 (Optional) |
| Static current | ≤800MA |
| 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 |

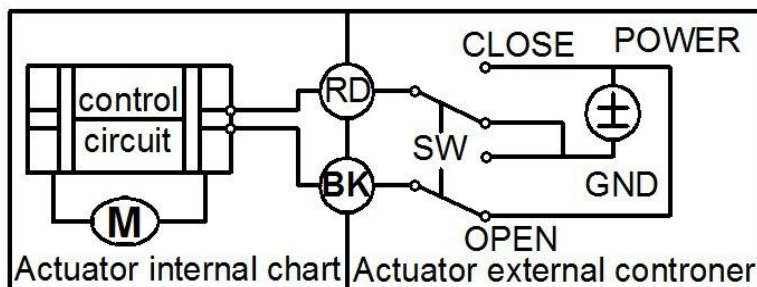
Assembly Diagram :

Valvebody material:
Brass-messing
SS 304 or SS316 rustfri



Wiring diagram

CR2 01 Wiring Diagram (2 wires control)



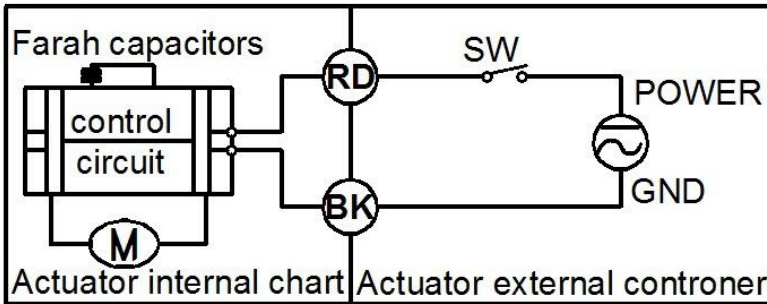
·RD connect with positive, the BK connect with negative, the valve closed, the actuator automatically power off after in place , the valve remains fully closed position .

·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)



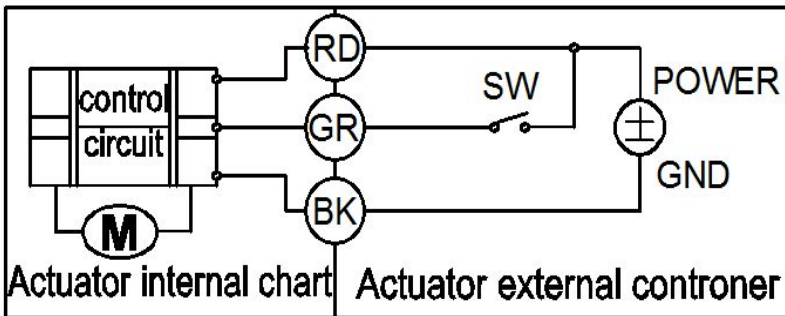
·When SW is closed , the valve open. the actuator automatically power off after in place

·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

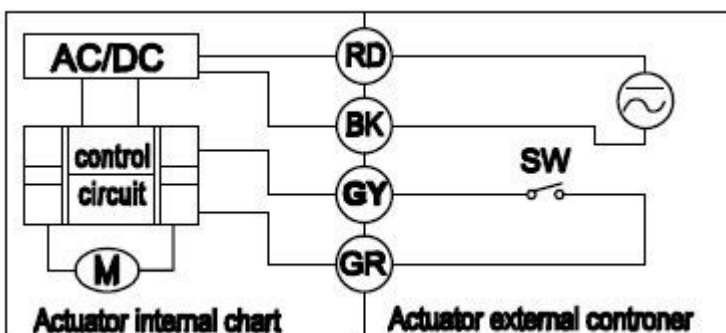
• BK connect with negative

• 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)

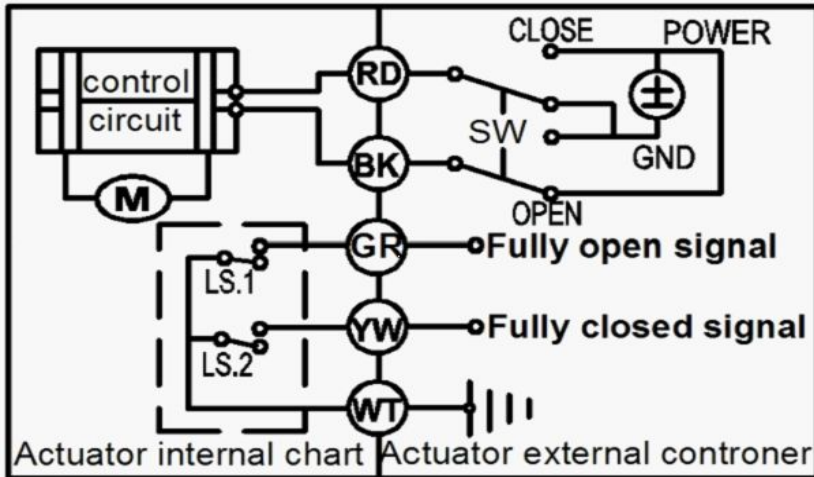


1. RD & BK are connected to the power, GY& GR are connected to the controlled wiring.
2. When the SW is closed , the valve open
3. When the SW is open , the valve closed

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

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

CR5 01 Wiring diagram (with feedback signal)

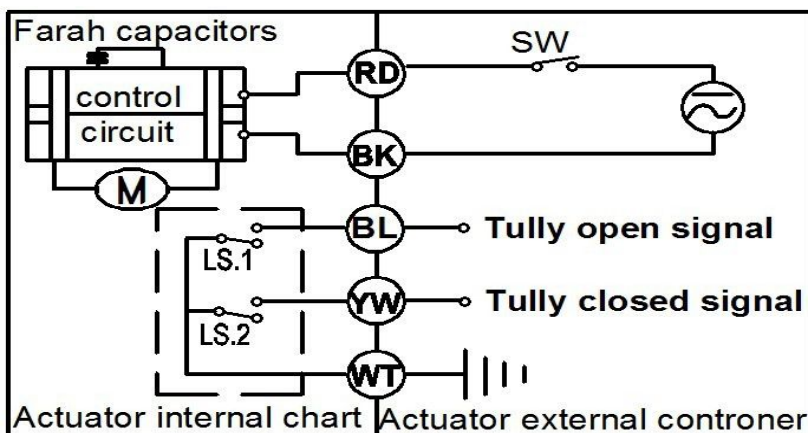


1. RD connect with positive, the BK connect with negative, the valve closed, the actuator automatically power off after in place .
2. BK connect with positive, the RD connect with negative, the valve open, the actuator automatically power off after in place .
4. GR & WT are connect when the valve open 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)

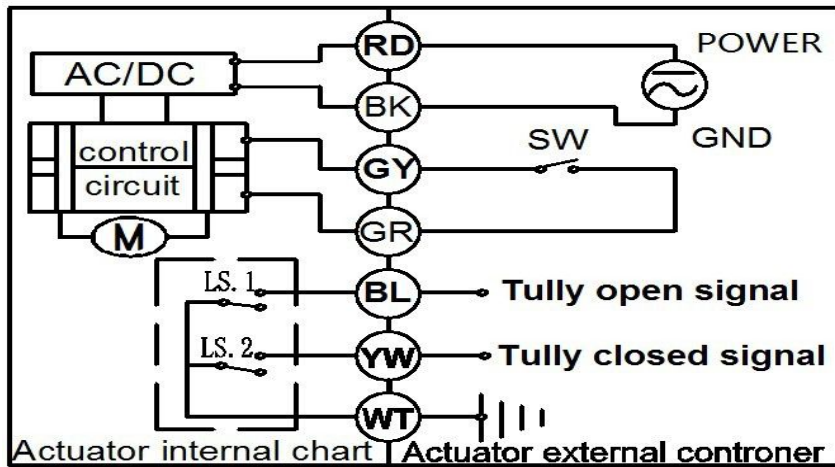


·When SW is closed , the valve open. the actuator automatically power off after in place

·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, WT & YW 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



www.tgelectronics.no

TG ELECTRONICS

Blåbærdalen 30 6518 Kristiansund

Tele:+47 91795392

e-post: post@tgelectronics.no www.tgelectronics.no