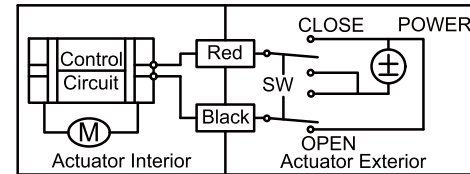


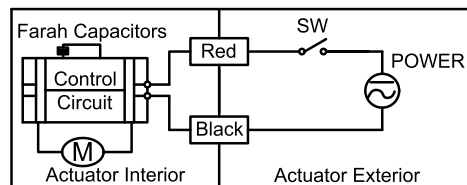
Wiring Diagram

■ CR201 (2 Wires Control)

- 1.Red connect with positive, Black connect with negative, valve CLOSE, maintain after fully closed.
 - 2.Black connect with negative, Red connect with positive, valve OPEN, maintain after fully open.
- * Suitable Working Voltage: DC5V, DC12V, DC24V
* Exceeding the working voltage is forbidden



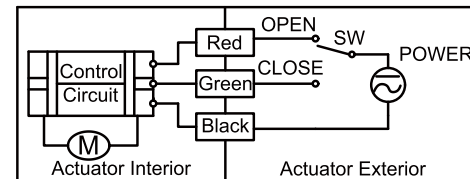
■ CR202 (2 Wires Control, Power Off Reset Function)



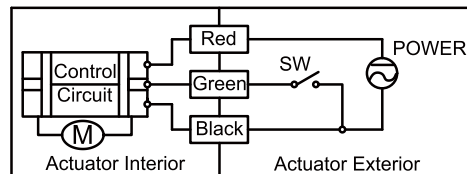
- Normally Closed
- 1.Red connect with positive, Black connect with negative.
 - 2.SW CLOSE, valve OPEN, maintain after fully open.
 - 3.SW OPEN, valve CLOSE, maintain after fully closed.
- Normally Open
- 1.Red connect with positive, Black connect with negative.
 - 2.SW CLOSE, valve CLOSE, maintain after fully closed.
 - 3.SW OPEN, valve OPEN, maintain after fully open.
- * Suitable Working Voltage: AC/DC9-24V, AC/DC9-35V, AC/DC110-230V
* Exceeding the working voltage is forbidden

■ CR301 (3 Wires Control)

- 1.Red & Green connect with positive, Black connect with negative.
 - 2.SW connect with Red, valve OPEN, maintain after fully open.
 - 3.SW connect with Green, valve CLOSE, maintain after fully closed.
- * Suitable Working Voltage: DC5V, DC12V, DC24V, DC12-24V, AC/DC110-230V
* Exceeding the working voltage is forbidden



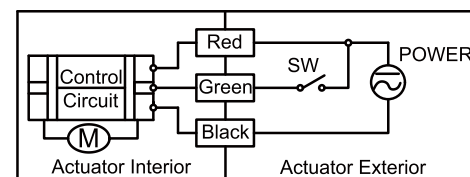
■ CR302 (3 Wires Control)



- 1.Red connect with positive, Black & Green connect with negative.
 - 2.SW CLOSE, valve OPEN, maintain after fully open.
 - 3.SW OPEN, valve CLOSE, maintain after fully closed.
- * Suitable Working Voltage: DC9-35V, DC9-60V, AC/DC12-24V
* Exceeding the working voltage is forbidden

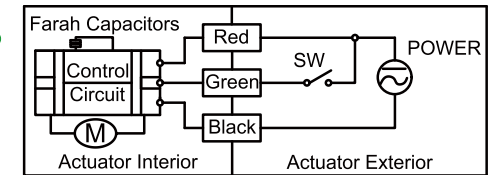
■ CR303 (3 Wires Control)

- 1.Red & Green connect with positive, Black connect with negative.
 - 2.SW CLOSE, valve OPEN, maintain after fully open.
 - 3.SW OPEN, valve CLOSE, maintain after fully closed.
- * Suitable Working Voltage: DC12V, DC24V, DC9-24V, AC/DC9-35V, AC/DC110-230V
* Exceeding the working voltage is forbidden

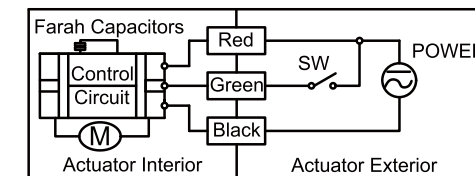


■ CR305 (3 Wires Control, Power Off Reset Function)

- Normally Closed
- 1.Red & Green connect with positive, Black connect with negative.
 - 2.SW CLOSE, valve OPEN, maintain after fully open.
 - 3.SW OPEN, valve CLOSE, maintain after fully closed.
 - 4.Valve CLOSE automatically after the external power off.
- Normally Open
- 1.Red & Green connect with positive, Black connect with negative.
 - 2.SW CLOSE, valve CLOSE, maintain after fully closed.
 - 3.SW OPEN, valve OPEN, maintain after fully open.
 - 4.Valve OPEN automatically after the external power off.
- * Suitable Working Voltage: AC/DC9-24V, AC110-230V
* Exceeding the working voltage is forbidden



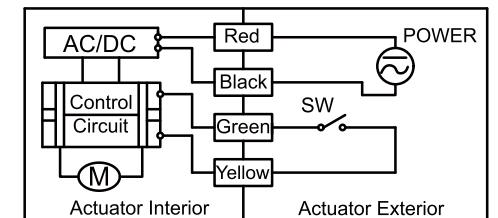
■ CR306 (3 Wires Control, Power Off Reset Function)



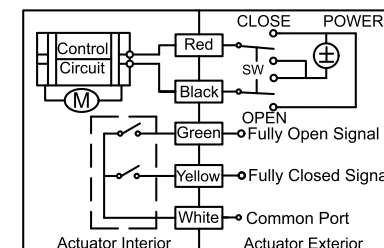
- Normally Closed
- 1.Red & Green connect with positive, Black connect with negative.
 - 2.SW CLOSE, valve CLOSE, maintain after fully closed.
 - 3.SW OPEN, valve OPEN, maintain after fully open.
 - 4.Valve CLOSE automatically after the external power off.
- Normally Open
- 1.Red & Green connect with positive, Black connect with negative.
 - 2.SW CLOSE, valve OPEN, maintain after fully open.
 - 3.SW OPEN, valve CLOSE, maintain after fully closed.
 - 4.Valve OPEN automatically after the external power off.
- * Suitable Working Voltage: AC/DC9-24V, AC110-230V
* Exceeding the working voltage is forbidden

■ CR401 (4 Wires Control)

1. Red & Black connect with power, Green & Yellow connect with SW.
 2. SW CLOSE, valve OPEN, maintain after fully open.
 3. SW OPEN, valve CLOSE, maintain after fully closed.
- * Suitable Working Voltage: AC/DC110-230V
* The control line is powered by a DC5V/DC24V voltage. When multiple electric valves are used in parallel, the control lines of the same color must be connected together; otherwise, the electric valves will not work properly
* Green & Yellow can't connect with voltage
* Exceeding the working voltage is forbidden

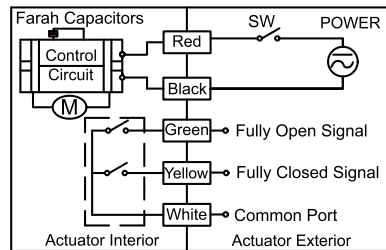


■ CR501 (5 Wires Control, With Feedback Signal)



1. Red connect with positive, Black connect with negative, valve CLOSE, maintain after fully closed, Yellow connect with White.
 2. Black connect with positive, Red connect with negative, valve OPEN, maintain after fully open, Green connect with White.
- * Suitable Working Voltage: DC5V, DC12V, DC24V
* Exceeding the working voltage is forbidden
* Feedback Signal Load Capacity: 0.3A 24VACDC (Resistive Load)

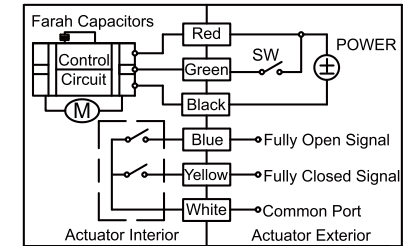
■ CR502 (5 Wires Control, Power Off Reset Function, With Feedback Signal)



- Normally Closed
1. Red connect with positive, Black connect with negative.
 2. SW CLOSE, valve OPEN, maintain after fully open, Green connect with White.
 3. SW OPEN, valve CLOSE, maintain after fully closed, Yellow connect with White.
- Normally Open
1. Red connect with positive, Black connect with negative.
 2. SW CLOSE, valve CLOSE, maintain after fully closed, Yellow connect with White.
 3. SW OPEN, valve OPEN, maintain after fully open, Green connect with White.
- * Suitable Working Voltage: DC9-35V, DC9-60V, DC12-24V, AC24V, AC110-230V
 * Exceeding the working voltage is forbidden
 * Feedback Signal Load Capacity: 0.3A 24VACDC (Resistive Load)

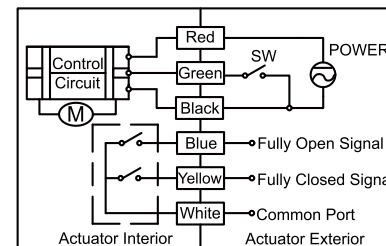
■ CR605 (6 Wires Control, Power Off Reset Function, With Feedback Signal)

- Normally Closed
1. Red & Green connect with positive, Black connect with negative.
 2. SW CLOSE, valve OPEN, maintain after fully open, Blue connect with White.
 3. SW OPEN, valve CLOSE, maintain after fully closed, Yellow connect with White.
 4. Valve CLOSE automatically after the external power off.
- Normally Open
1. Red & Green connect with positive, Black connect with negative.
 2. SW CLOSE, valve CLOSE, maintain after fully closed, Yellow connect with White.
 3. SW OPEN, valve OPEN, maintain after fully open, Blue connect with White.
 4. Valve OPEN automatically after the external power off.
- * Suitable Working Voltage: AC24V, DC12-24V
 * Exceed the working voltage is forbidden
 * Feedback Signal Load Capacity: 0.3A 24VACDC (Resistive Load)

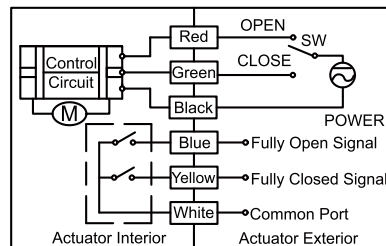


■ CR601 (6 Wires Control, With Feedback Signal)

1. Red connect with positive, Black & Green connect with negative.
 2. SW CLOSE, valve OPEN, maintain after fully open, Blue connect with White.
 3. SW OPEN, valve CLOSE, maintain after fully closed, Yellow connect with White.
- * Suitable Working Voltage: AC/DC12-24V, DC9-35V, DC9-60V
 * Exceeding the working voltage is forbidden
 * Feedback Signal Load Capacity: 0.3A 24VACDC (Resistive Load)



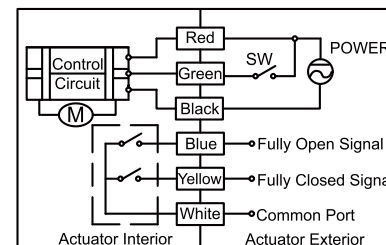
■ CR602 (6 Wires Control, With Feedback Signal)



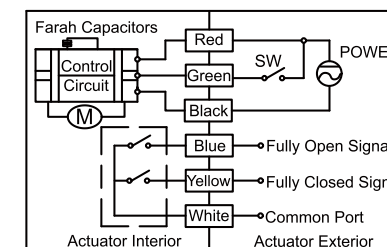
1. Red & Green connect with positive, Black connect with negative.
 2. SW connect with Red, valve OPEN, maintain after fully open, Blue connect with White.
 3. SW connect with Green, valve CLOSE, maintain after fully closed, Yellow connect with White.
- * Suitable Working Voltage: DC5V, DC12V, DC24V, DC12-24V, AC/DC110-230V
 * Exceeding the working voltage is forbidden
 * Feedback Signal Load Capacity: 0.3A 24VACDC (Resistive Load)

■ CR603 (6 Wires Control, With Feedback Signal)

1. Red & Green connect with positive, Black connect with negative.
 2. SW CLOSE, valve OPEN, maintain after fully open, Blue connect with White.
 3. SW OPEN, valve CLOSE, maintain after fully closed, Yellow connect with White.
- * Suitable Working Voltage: DC12V, DC24V, DC9-24V, AC/DC9-35V, AC110-230V
 * Exceeding the working voltage is forbidden
 * Feedback Signal Load Capacity: 0.3A 24VACDC (Resistive Load)



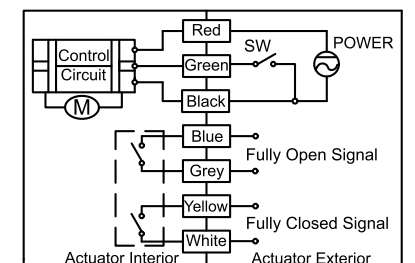
■ CR606 (6 Wires Control, Power Off Reset Function, With Feedback Signal)



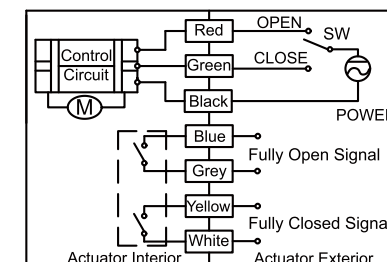
- Normally Closed
1. Red & Green connect with positive, Black connect with negative.
 2. SW CLOSE, valve CLOSE, maintain after fully closed, Yellow connect with White.
 3. SW OPEN, valve OPEN, maintain after fully open, Blue connect with White.
 4. Valve CLOSE automatically after external power off.
- Normally Open
1. Red & Green connect with positive, Black connect with negative.
 2. SW CLOSE, valve OPEN, maintain after fully open, Blue connect with White.
 3. SW OPEN, valve CLOSE, maintain after fully closed, Yellow connect with White.
 4. Valve OPEN automatically after external power off.
- * Suitable Working Voltage: AC/DC9-24V, AC/DC110-230V
 * Exceed the working voltage is forbidden
 * Feedback Signal Load Capacity: 0.3A 24VACDC (Resistive Load)

■ CR701 (7 Wires Control, With Feedback Signal)

1. Red connect with positive, Black & Green connect with negative.
 2. SW CLOSE, valve OPEN, maintain after fully open, Blue connect with Grey.
 3. SW OPEN, valve CLOSE, maintain after fully closed, Yellow connect with White.
- * Suitable Working Voltage: DC9-35V, DC9-60V, DC12-24V
 * Exceed the working voltage is forbidden
 * Feedback Signal Load Capacity: 0.3A 24VACDC (Resistive Load)



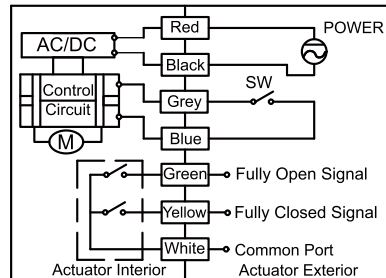
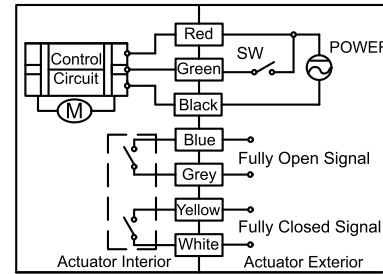
■ CR702 (7 Wires Control, With Feedback Signal)



1. Red & Green connect with positive, Black connect with negative.
 2. SW connect with Red, valve OPEN, maintain after fully open, Blue connect with Grey.
 3. SW connect with Green, valve CLOSE, maintain after fully closed, Yellow connect with White.
- * Suitable Working Voltage: DC5V, DC12V, DC24V, DC12-24V, AC/DC110-230V
 * Exceed the working voltage is forbidden
 * Feedback Signal Load Capacity: 0.3A 24VACDC (Resistive Load)

■ CR703 (7 Wires Control, With Feedback Signal)

1. Red & Green connect with positive, Black connect with negative.
 2. SW CLOSE, valve OPEN, maintain after fully open, Blue connect with Grey.
 3. SW OPEN, valve CLOSE, maintain after fully closed, Yellow connect with White.
- * Suitable Working Voltage: DC12V, DC24V, DC9-24V, AC/DC9-35V, AC110-230V
 * Exceed the working voltage is forbidden
 * Feedback Signal Load Capacity: 0.3A 24VACDC (Resistive Load)

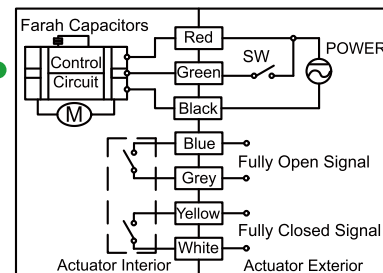


■ CR704 (7 Wires Control, With Feedback Signal)

1. Red & Black connect with power, Grey & Blue connect with SW.
 2. SW CLOSE, valve OPEN, maintain after fully open, Green connect with White.
 3. SW OPEN, valve CLOSE, maintain after fully closed, Yellow connect with White.
- * Suitable Working Voltage: AC/DC110-230V
 * Exceed the working voltage is forbidden
 * Grey & Blue can't connect with voltage
 * Feedback Signal Load Capacity: 0.3A 24VACDC (Resistive Load)

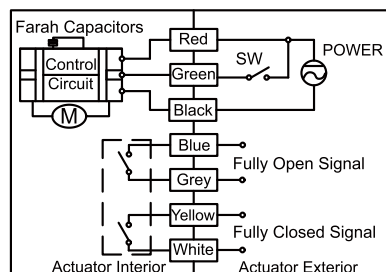
■ CR705 (7 Wires Control, Power Off Reset Function, With Feedback Signal)

- Normally Closed
1. Red & Green connect with positive, Black connect with negative.
 2. SW CLOSE, valve OPEN, maintain after fully open, Blue connect with Grey.
 3. SW OPEN, valve CLOSE, maintain after fully closed, Yellow connect with White.
 4. Valve CLOSE automatically after external power off.
- Normally Open
1. Red & Green connect with positive, Black connect with negative.
 2. SW CLOSE, valve CLOSE, maintain after fully closed, Yellow connect with White.
 3. SW OPEN, valve OPEN, maintain after fully open, Blue connect with Grey.
 4. Valve OPEN automatically after external power off.
- * Suitable Working Voltage: AC/DC9-24V, AC110-230V
 * Exceed the working voltage is forbidden
 * Feedback Signal Load Capacity: 0.3A 24VACDC (Resistive Load)



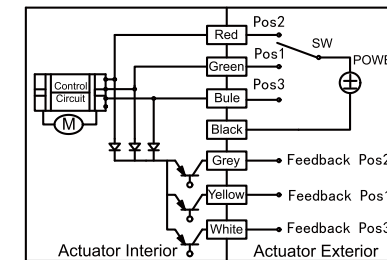
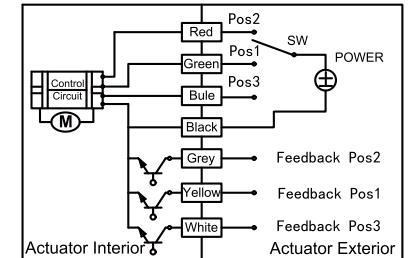
■ CR706 (7 Wires Control, Power Off Reset Function, With Feedback Signal)

- Normally Closed
1. Red & Green connect with positive, Black connect with negative.
 2. SW CLOSE, valve CLOSE, maintain after fully closed, Yellow connect with White.
 3. SW OPEN, valve OPEN, maintain after fully open, Blue connect with Grey.
 4. Valve CLOSE automatically after external power off.
- Normally Open
1. Red & Green connect with positive, Black connect with negative.
 2. SW CLOSE, valve OPEN, maintain after fully open, Blue connect with Grey.
 3. SW OPEN, valve OPEN, maintain after fully open, Yellow connect with White.
 4. Valve OPEN automatically after external power off.
- * Suitable Working Voltage: AC/DC9-24V, AC/DC110-230V
 * Exceed the working voltage is forbidden
 * Feedback Signal Load Capacity: 0.3A 24VACDC (Resistive Load)



■ CR707 (7 Wires Control, NPN Wet Node Feedback)

1. Red connect with positive, Black connect with negative, valve turn to position 2 and hold.
2. Green connect with positive, Black connect with negative, valve turn to position 1 and hold.
3. Blue connect with positive, Black connect with negative, valve turn to position 3 and hold.
4. Grey & Black connect with position 2 in place signal, connect with negative after valve in place.
5. Yellow & Black connect with position 1 in place signal, connect with negative after valve in place.



■ CR707 (7 Wires Control, PNP Wet Node Feedback)

1. Red connect with positive, Black connect with negative, valve turn to position 2 and hold.
2. Green connect with positive, Black connect with negative, valve turn to position 1 and hold.
3. Blue connect with positive, Black connect with negative, valve turn to position 3 and hold.
4. Grey & Black connect with position 2 in place signal, connect with positive after valve in place.
5. Yellow & Black connect with position 1 in place signal, connect with positive after valve in place.

■ A150-M Series Proportional Valve Wiring Diagram

1. Red connect with positive, Black connect with negative.
 2. Yellow is error output, Yellow & Black connect normally, disconnect after valve locked-rotor.
 3. Green connect with 4-20mA signal input positive, Blue connect with 4-20mA signal input negative.
 4. White connect with 4-20mA signal output positive, Blue connect with 4-20mA signal output negative.
 5. Input 4mA, turn the valve clockwise to fully OPEN; Input 20mA, turn the valve counterclockwise to fully CLOSE.
- * Suitable Signal: 4-20mA, 0-5V, 1-5V, 0-10V, 2-10V
 * Suitable Working Voltage: DC12-24V
 * Exceed the working voltage is forbidden

