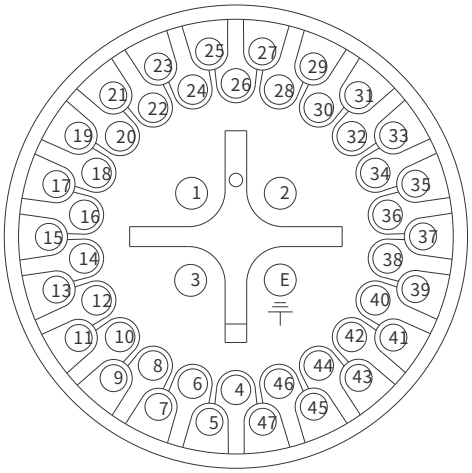
TEFULONG

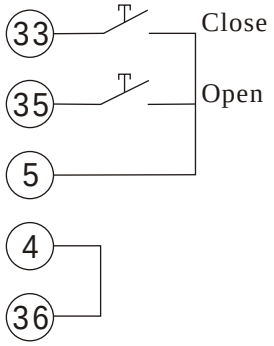


Warning: Please refer to the rated voltage stampted on the actuator nameplate before connecting power. Connect terminals 1, 2, and 3 when the power is three phases. Connect terminals 1 and 2 when the power is single phase.

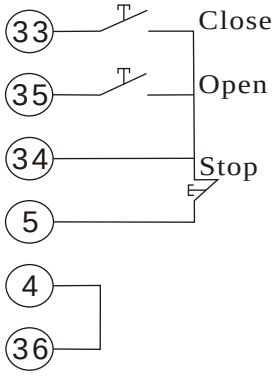
1. Power Line 1#
2. Power Line 2#
3. Power Line 3#
4. 24vdc -Ve
5. 24vdc +Ve
6. Monitor Relay S1-1
7. Monitor Relay S1-2
8. Monitor Relay S2-1
9. Monitor Relay S2-2
10. Monitor Relay S3-1
11. Monitor Relay S3-2
12. Monitor Relay S4-1
13. Monitor Relay S4-2
14.
15.
16.
17.
18.
19.
20.
21.
22. Remote Position Feedback +
23. Remote Position Feedback-
24.
25. ESD
26. Analogue Input Signal +Ve
27. Analogue Input Signal -Ve
28.
29.
30.
31. Common-Ve 20～60v Ac/Dc
32. Common-Ve 60～120v Ac
33. Remote Closing Signal Input End
34. Remote Stopping/ Maintaining Signal Input End
35. Remote Opening Signal Input End
36. Common- Ve 20～60v Ac/Dc
37. Open Interlock
38. Close Interlock
39. Manual/ Automatic
40. Common+Ve 60～120v Ac
41.
42. Common Monitor Relay
43. Common Monitor Relay Normally Closed
44. Common Monitor Relay Normally Open
45.
46.
47.
- E. Grounding

AVA/AVAT Range Wiring Diagram

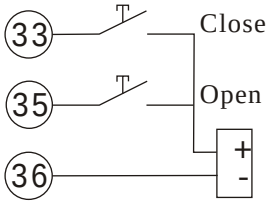
Step control of internal power supply



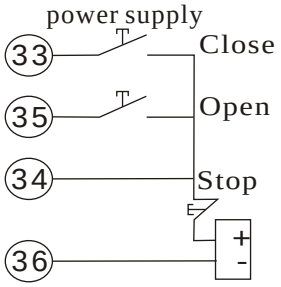
Self-maintained control of internal power supply



step control of external power supply



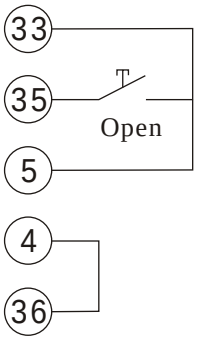
self-maintained control of external power supply



Note: Internal power supply voltage is 24VDC.
When the external control voltage is 20-60V DC/AC, the common terminal is 36.
When the external control voltage is 60-120V DC/AC, the common terminal is 40.

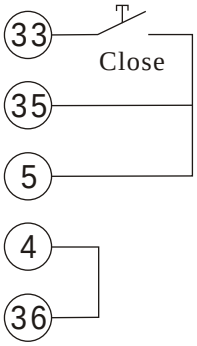
2-wires control

Valve open when contact closed
Valve closed when contact open
The function require that opening valve is set to be preferential



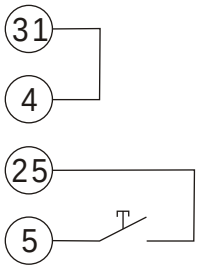
2-wires control

Valve close when contact closed
Valve open when contact open
The function require that closing valve is set to be preferential

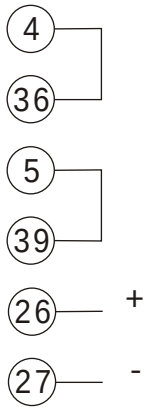


ESD

ESD can be set to close valve, open valve and stay up

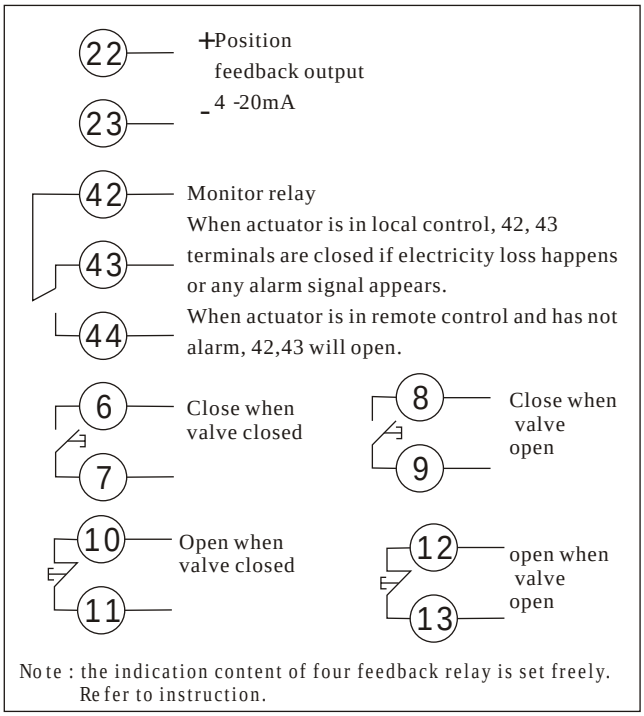


AVAM/AVATM Range Wiring Diagram



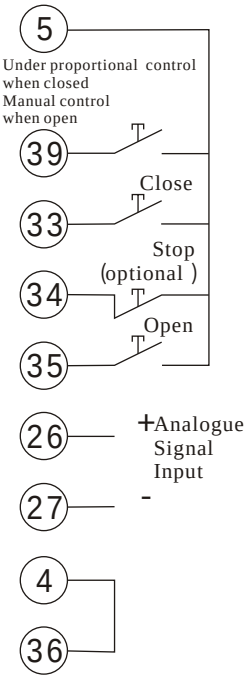
Note: Analogue input signal can be 4～20mA, 0～20mA, 0～5V, 0～10V. The default is 4～ 20mA. Please refer to instruction if changes are required.

Feedback

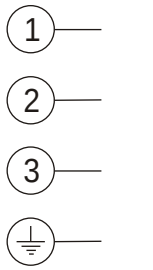


Note : the indication content of four feedback relay is set freely. Refer to instruction.

analogue proportional control and remote manual control



Power



Note: Connect terminals 1 and 2 when the power for the actuator is single.

Note:for more information,please contact Tefulong.