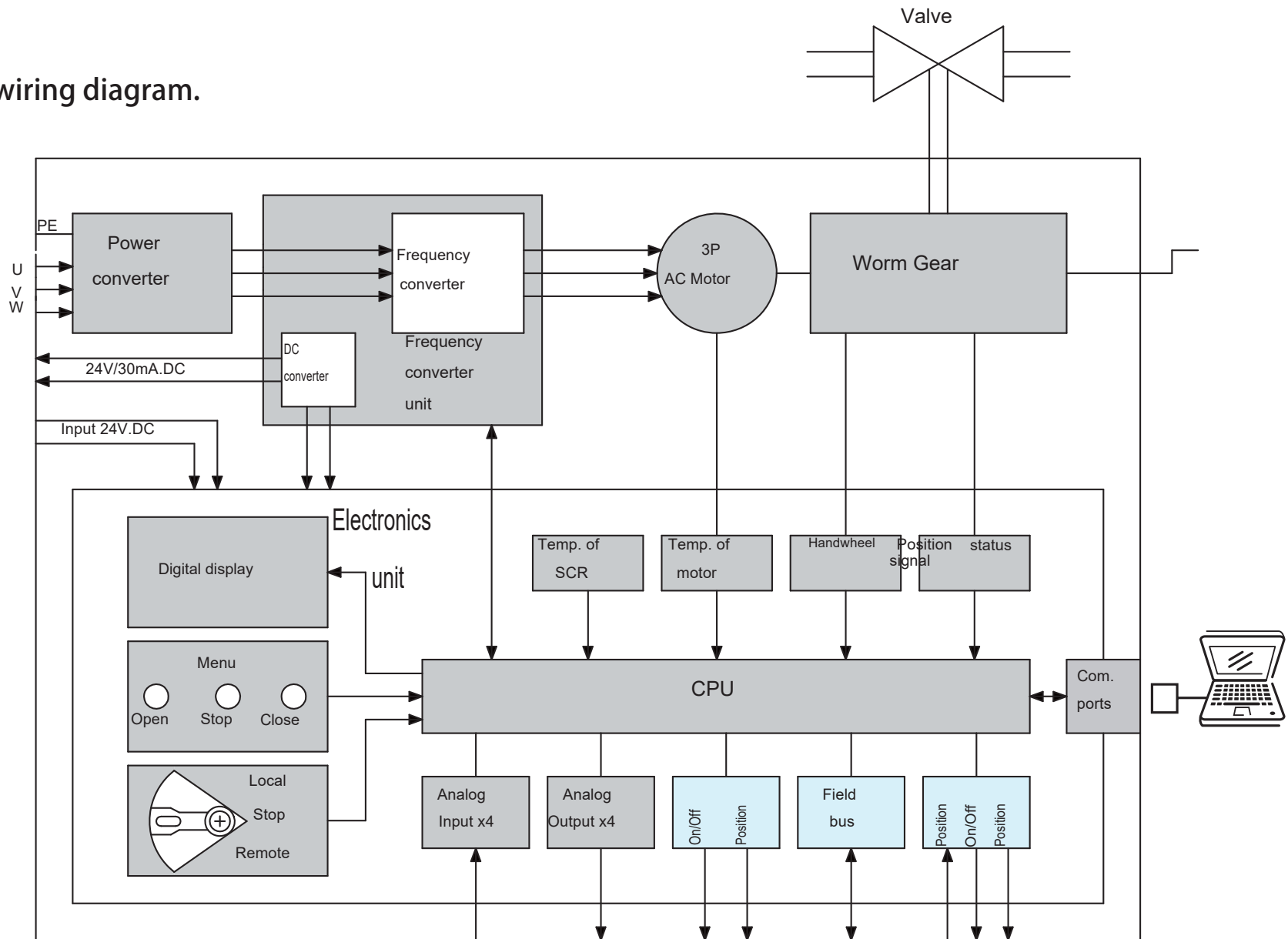




## MME/MOE Intelligent Electric Actuator

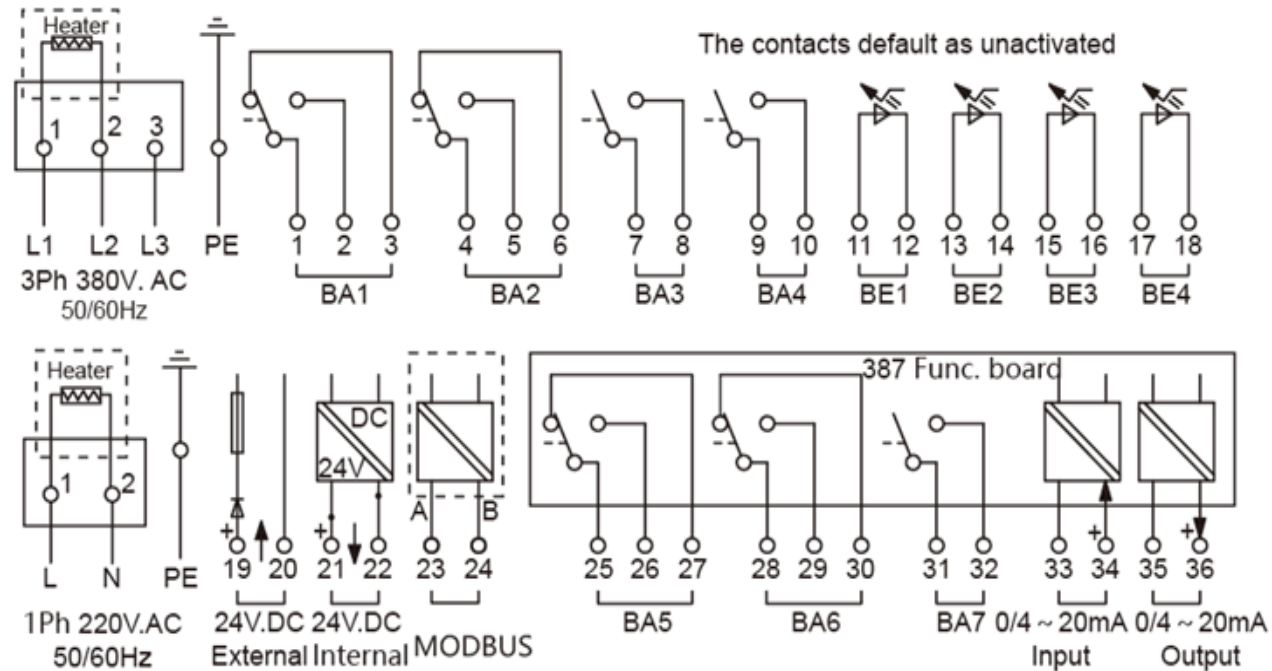
|                                                                         |        |
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## Intelligent wiring diagram.



Note: the blocks in light blue are optional, and order no. are 385, 386 and 387 respectively.

## MME terminal wiring diagram



The status contact in the figure is in an untripped state (default setting)

Input port factory default function settings:

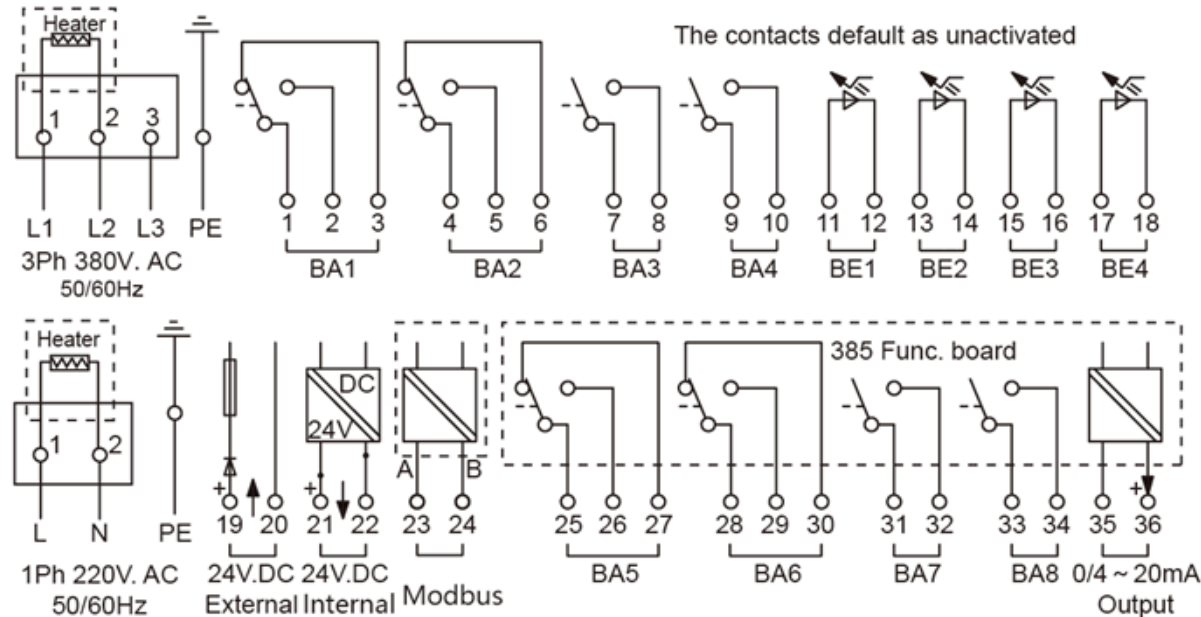
- BE1 01 Operation command in "OPEN" direction
- BE2 02 Operation command in "CLOSE" direction
- BE3 03 Shutdown command
- BE4 04 Fault alarm reset command

Output port factory default function settings:

- BA1 01 Ready to run
- BA2 02 Fault alarm
- BA3 03 Open to the end position
- BA4 04 Close to the end position
- BA5 05 Exceeded torque in "OPEN" direction
- BA6 06 Exceeded torque in "CLOSE" indication
- BA7 07 Intermediate valve position indication 1

1. Optional 387 board is required to use the function in dotted line closed part.
2. BA contact is for output status. BE contact is for digital input.
3. in 19, 20 are external 24V power supply plug-in terminals. If use, when 380V main power supply is out, actuator's output signals remain, analog output terminal (387 board required) will remain its own status, the LED screen of actuator displays normally.

## MOE terminal wiring diagram



The status contact in the figure is in an untrigged state (default setting)

Input port factory default function settings:

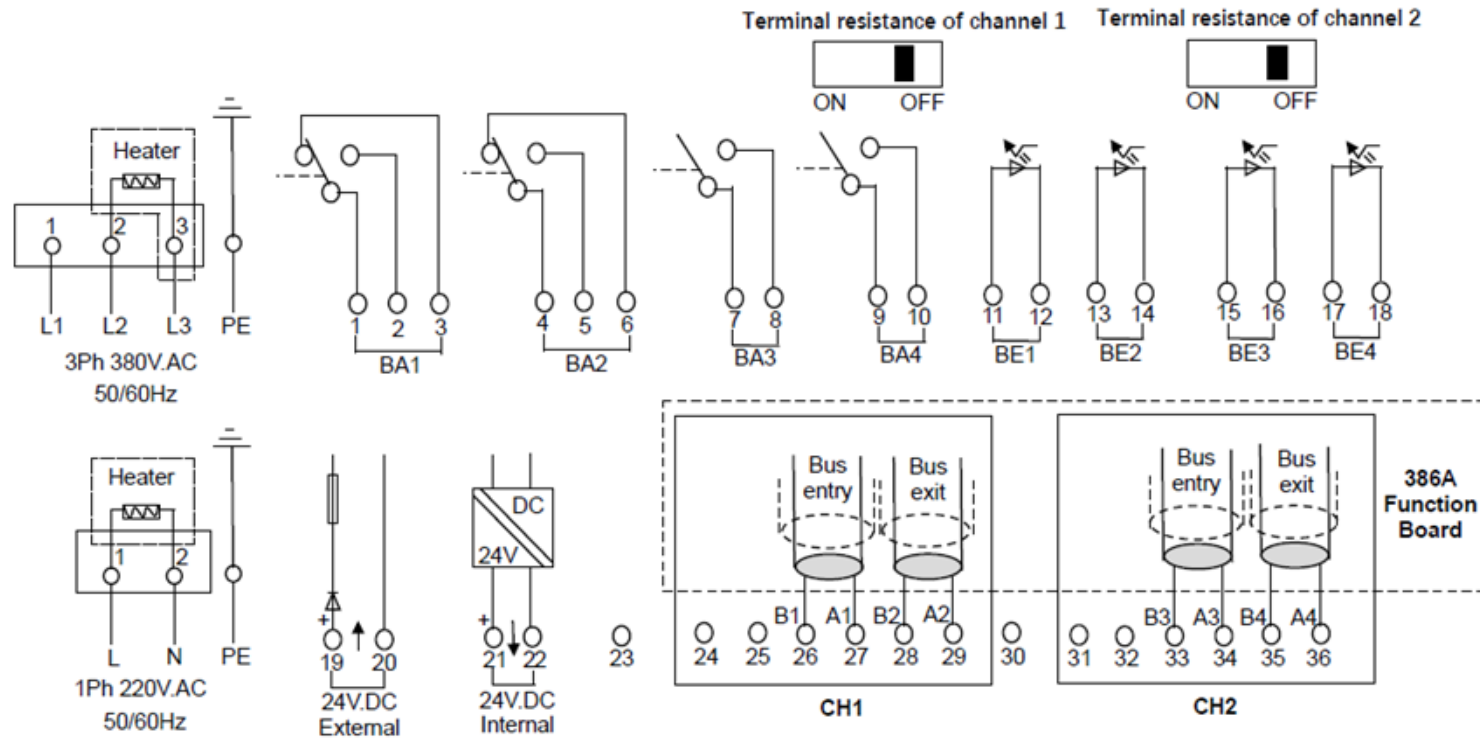
- BE1 01 Operation command in "OPEN" direction
- BE2 02 Operation command in "CLOSE" direction
- BE3 03 Shutdown command
- BE4 04 Fault alarm reset command

Output port factory default function settings:

- BA1 01 Ready to run
- BA2 02 Fault alarm
- BA3 03 Open to the end position
- BA4 04 Close to the end position
- BA5 05 Exceeded torque in "OPEN" direction
- BA6 06 Exceeded torque in "CLOSE" direction
- BA7 07 Intermediate valve position indication 1
- BA8 08 Intermediate valve position indication 2

1. 385 board is required to use the function in dotted line closed part.
2. BA contact is for output status. BE contact is for digital input.
3. Pin 19, 20 are external 24V power supply plug-in terminals. If use, when the main power supply is out, actuator's output signals remain, analog output terminal (385 board required) will remain its own status, the LED screen of actuator displays normally.

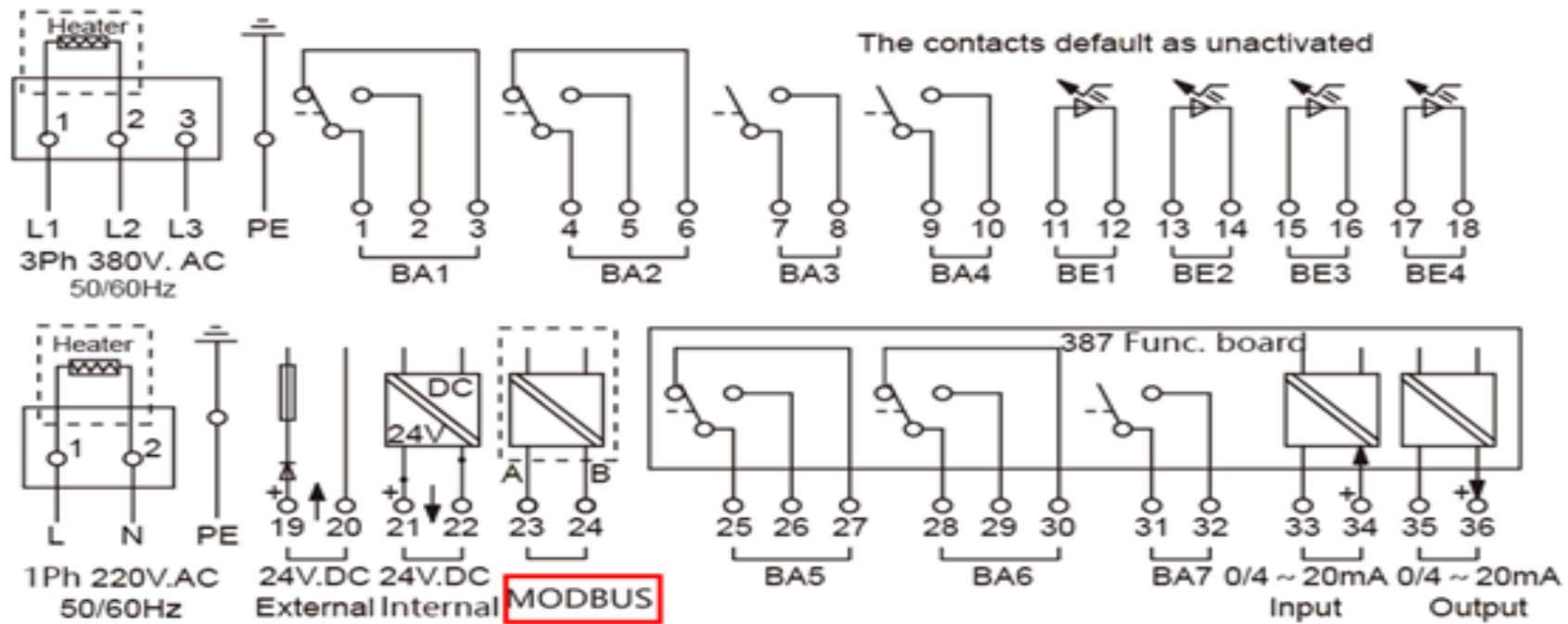
## Profibus-DP wiring diagram



The status contact in the figure is in an untriggered state (default setting)

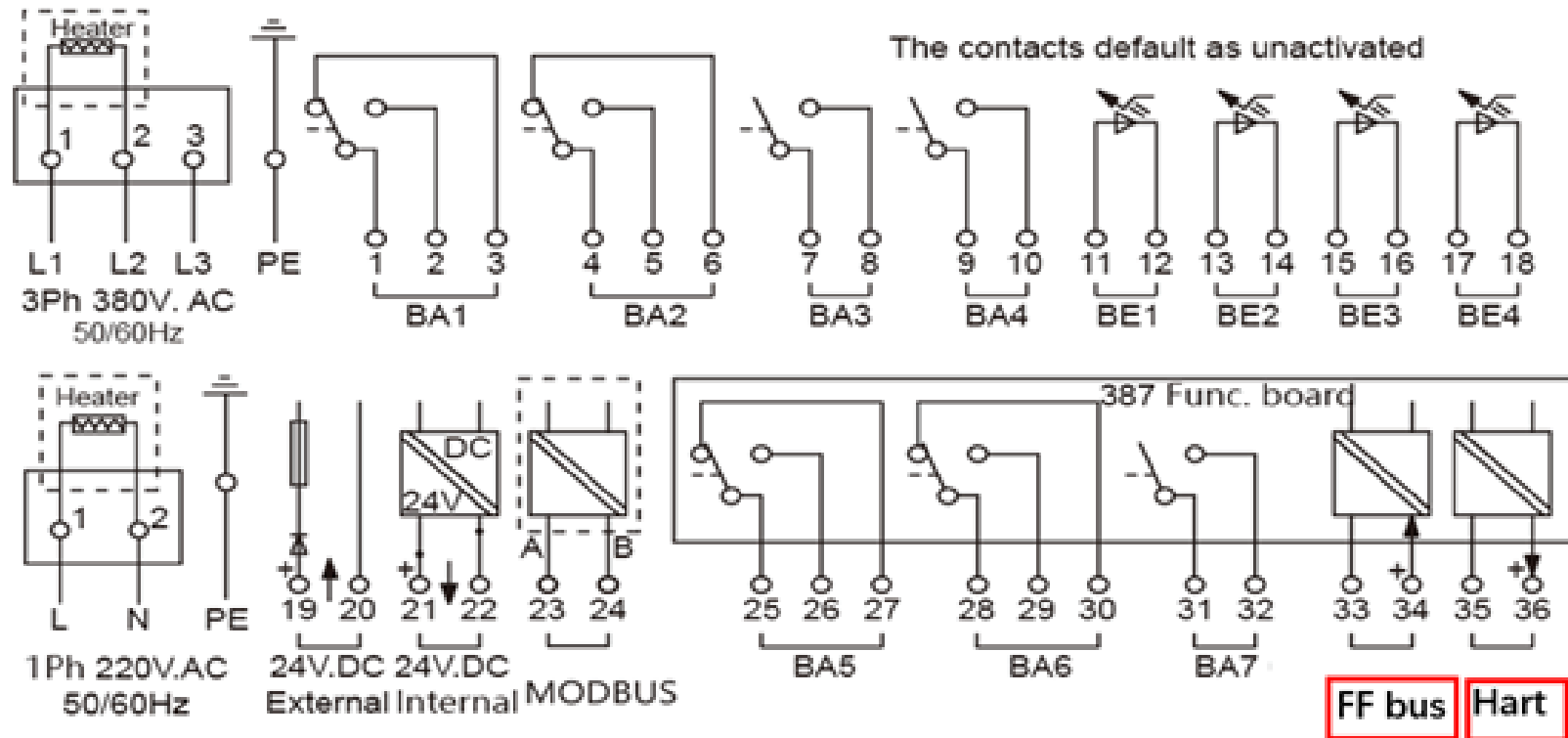
1. Optional 386A board is required to use the function in dotted line closed part.
2. BA contact is for output status. BE contact is for digital input.
3. Pin 19, 20 are external 24V power supply plug-in terminals. If use, when 380V main power supply is out, actuator's output signals remain, analog output terminal (386A board required) will remain its own status, the LED screen of actuator displays normally.

## Modbus terminal wiring diagram



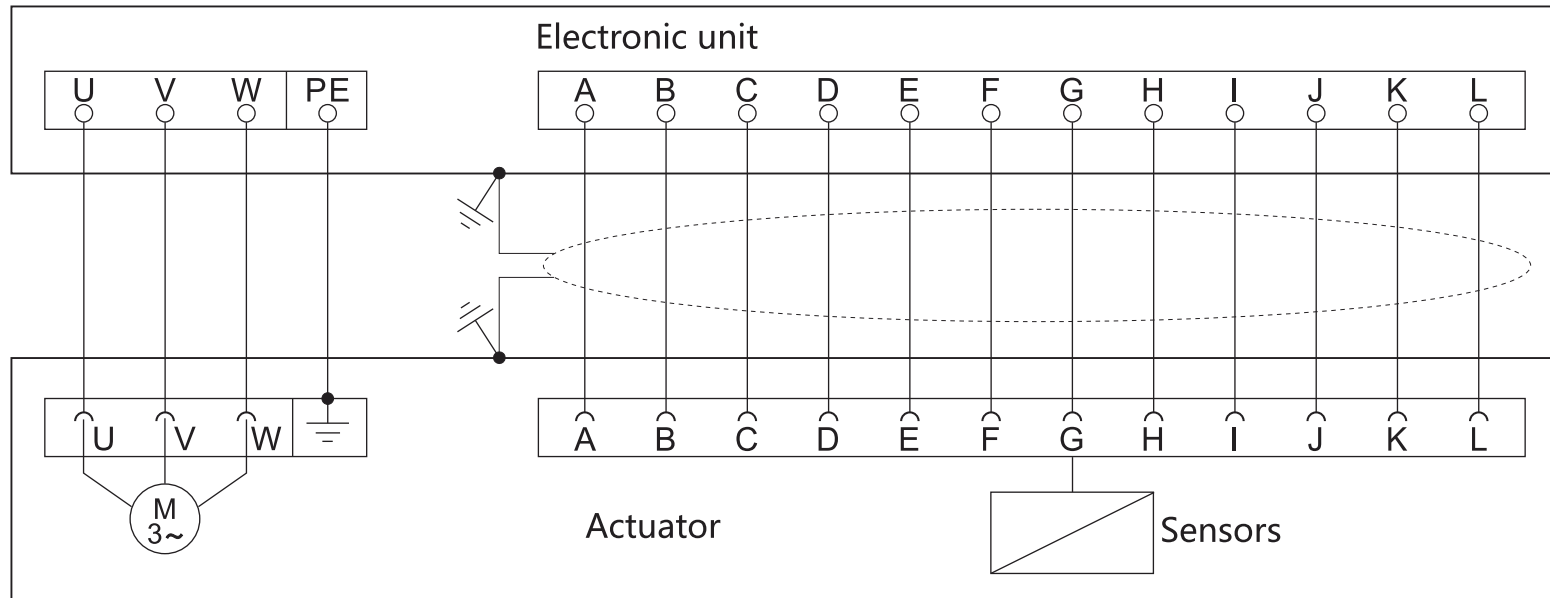
The status contact in the figure is in an untriggered state (default setting)

## Foundation Fieldbus/Hart terminal wiring diagram



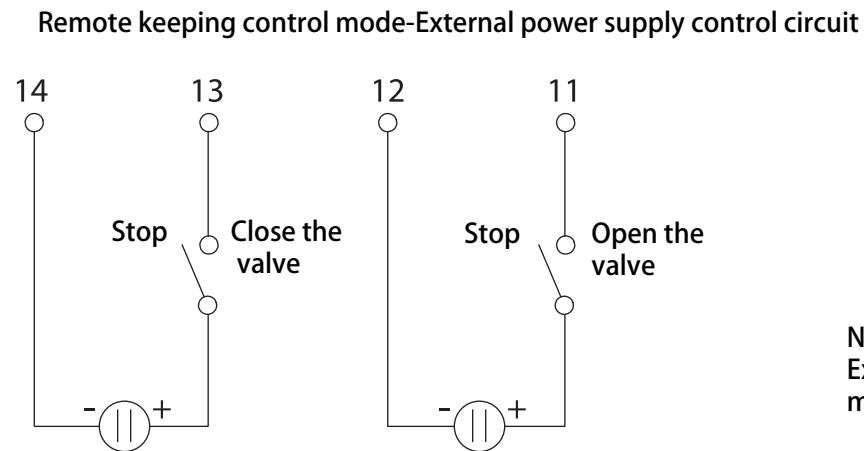
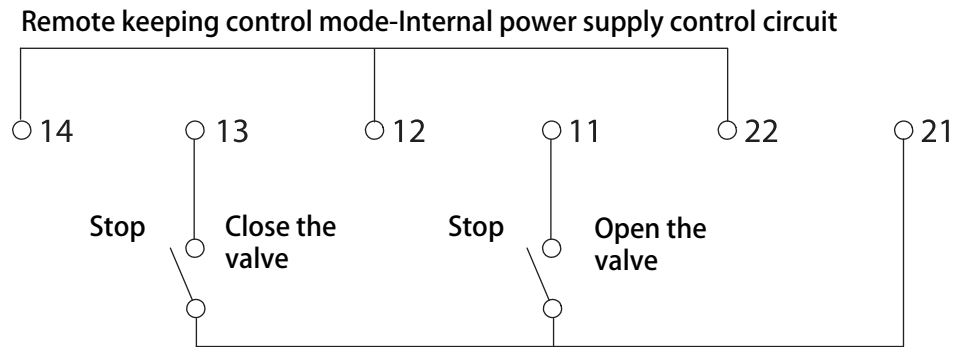
The status contact in the figure is in an untriggered state (default setting)

## Split type electric wiring (control unit and driving unit)



1. The sensor signal cable shall be 12-core cable with shielding; the cross-sectional of the cable shall not be less than  $2.5\text{mm}^2$  , and the length shall not exceed 10m.
2. Select the cable is according to the motor power, when the motor power  $\leq 1.5\text{KW}$  the cable cross-sectional shall be  $2.5\text{mm}^2$ ; when the motor power  $\geq 3\text{kW}$  the cable cross-sectional shall be  $4\text{mm}^2$ . Please noted that the part of connection line between the electrical control and actuator shall not be wrong (the wiring terminal of the electric control part is yellow&green and the three-phase power input terminal is gray).
3. The cable shall conform to the national standard GB/T5013 or GB/T5023. In the high temperature working environment, please use the high temperature type of cable, wire entry device (connector) and cable protection shell.
4. This wiring diagram is only for the connectiong between the part of electric control and the actuator.

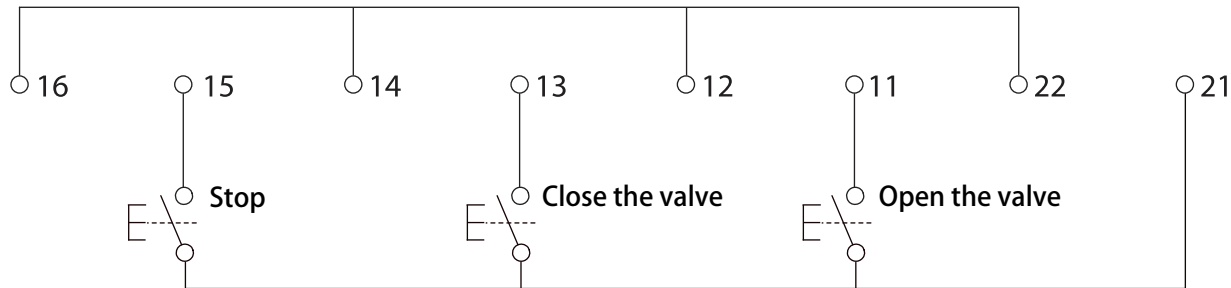
## Digital control wiring diagram (Remote hold control mode)



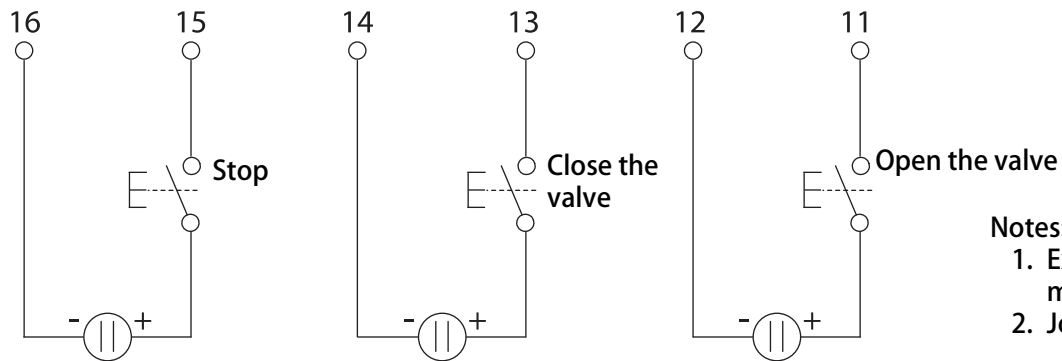
Notes:  
External control power supply please use minimum 12V,  
maximum 35V DC power supply.

## Digital Control control wiring diagram (Remote inching control mode)

Remote jog control mode-Internal power supply control circuit



Remote jog control mode-External power supply control circuit



### Notes:

1. External control power supply please use minimum 12V, maximum 35V DC power supply.
2. Jog control mode minimum pulse time 50mS.