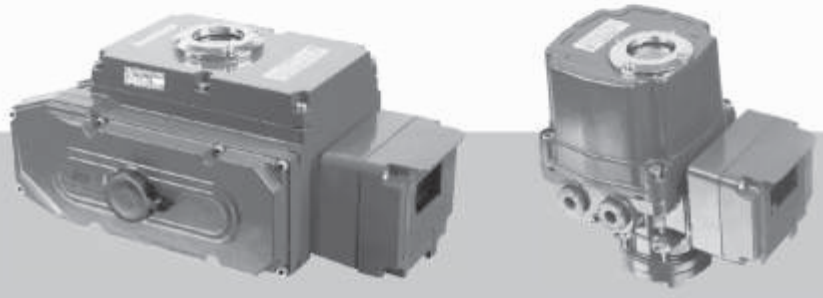
Self-dependent innovation Quality excelence

KUHNER® CONTROL VALES PERU



XMS-JXX-8.6

type series chinese display intelligent module

This type module is intelligent module, using the latest control princi -ple, it combines with single chip system and it is a new electric actua -tor control module which has optimization design. It uses multiterm independent innovation high technology integration, it is provided with perfect function, steady reliability and high cost performance and other advantages, suits for small fine electric actuator.

1. Manin function:

(1) Non-intrusive design, explosion and water proof, capacitance touch screen control, LED fully chinese menu display;
(2) Perfect electric potential breakdown, over torque and ESD protection functions;
(3) Adjustment type/on-off type is in common use, multi-turn/part-turn is in common use, 220VAC/380VAC is in common use;
(4) Output signal:
Adjustment type DC4-20mA (DC1-5V), 0-20mA and other special specific -ations can customized, on-off type passive stem node signal.

2. Using conditions:

(1) Working voltage AC380V±15% AC220V±15% 50HZ/±5%;
(2) Power waste < 5VA;
(3) Working temperature -30degree-+80degree (-40 degree+58 degree need to order)
(4) Relative humidity < 90% ;
(5) Altitude < 2000m;
(6) Vibration intensity < 1.5g;
2.1. performance index:
(1) Input signal DC4-20mA (DC1-5V) DC0-20mA, other differences contr -ol signal can be customized;
(2) Output signal DC4-20mA; (3) Basis error: < ±0.5%
(4) Return differences < 0.5% ; (5) Dead zone: 5.5%-3% (regulation type);
(6) Damping characteristics 0 times; (7) Insulation resistance 100mΩ/ 500V; (5) Compressive strengthe 2000V/1min.

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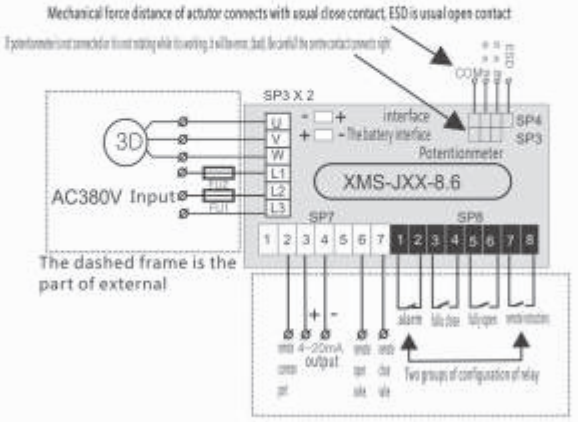
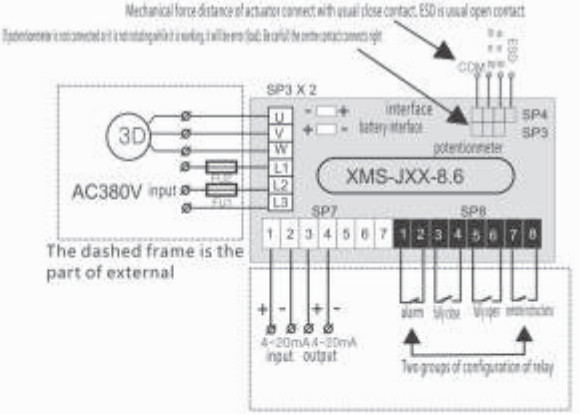
3. Debugging specifications:

(1) Electric wiring:



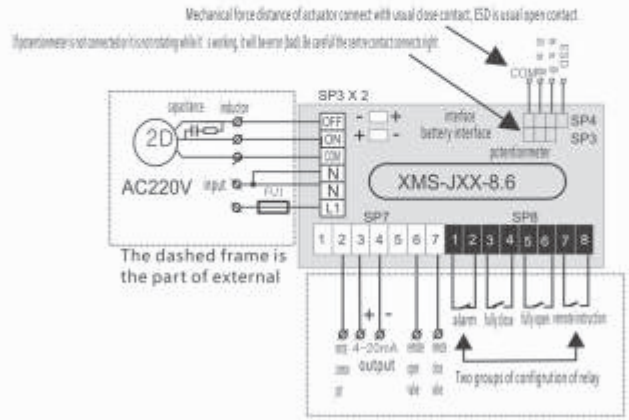
Set to the on-off type wiring diagram



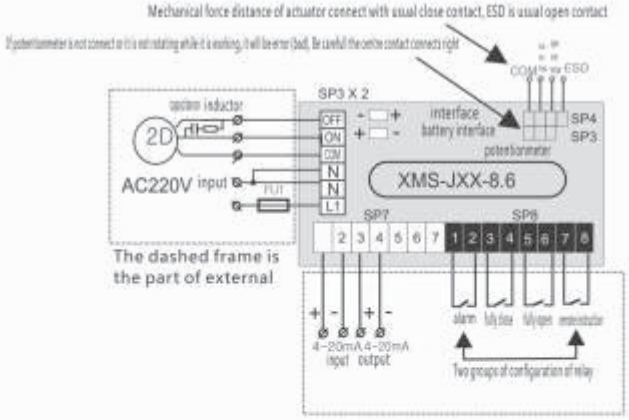
Set to the adjustment type wiring diagram

Note: battery interface is for multi-turn type using.

Three-phase module electic wiring diagram



Set to the on-off type wiring diagram

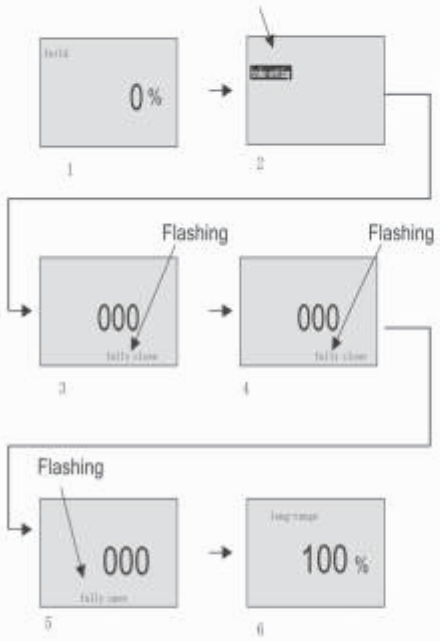


Set to the adjustment type wiring diagram

Note: the battery interface is for multi-turn type using

Single-phase module electric wiring diagram

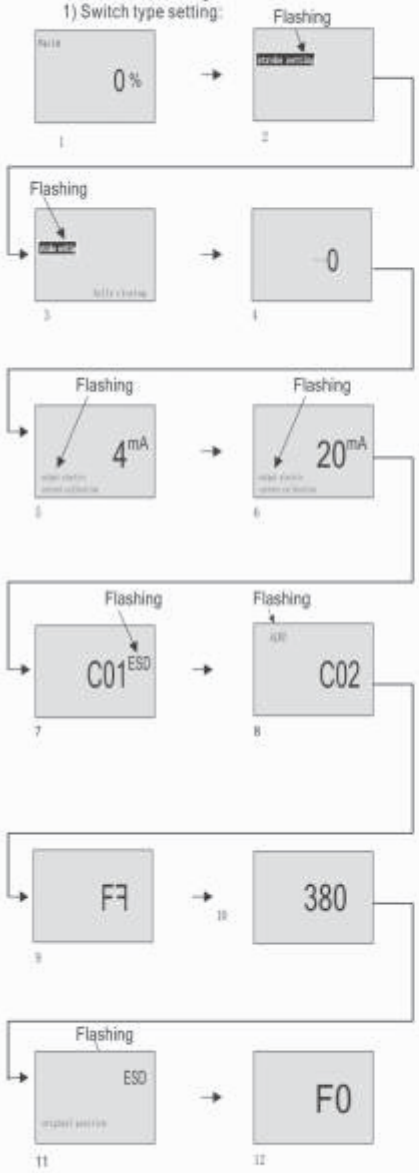
2. Stroke Setting:



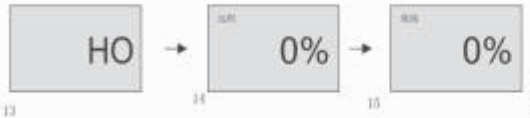
Notes: not only in field control, but in long-range control, they both can get into the setting status. After setting, return to the original setting working status, if it did not operate in 10 mins, it will return to the main menu automatically.

Explaination:
1, Normal turning on status
2, →press exchange key (setting key), it will get into setting status in 3 seconds
3, →press exchange (setting) key to get into setiing setting status
4, →press the off key to turn off the valve, then press exchange (setiing) key, make sure the off key is on its posintion
5, →pressthe on key to turn on the valve, then press the exchange (setting) key, make sure the on key is on its position
6, →valve stroke setting is finished, shows the main mebu.

3. Parameter setting:
1) Switch type setting:

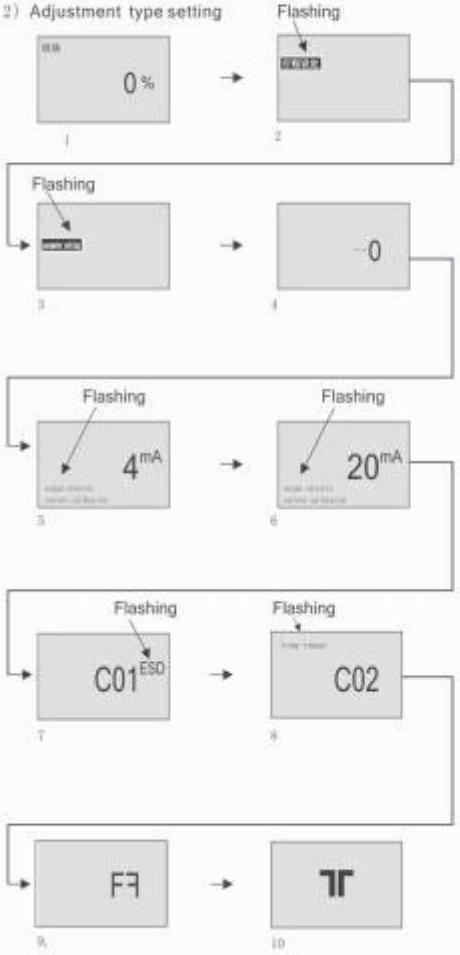


Explanation:
1, Normal turning on status
2, →press the exchange (setting) key, it will get into setting status in 3 seconds
3, →press the exchange (setting) key to get into setting status
4, →get into passcode status, if it is defualt passcode, press exchange (setting) key to get into input electric current calibration status
5, →external ammeter observe current value, press on-off key can change current value, then press exchange (setting) key to confirm
6, →external ammeter observe current value, press on-off key can change current value, then press exchange (setting) key to confirm
7, →NO.1 electric relay configration, press the on key can choose one of them from ESD, long-range, lack-phase, error, fully-open, fully-close, press off key can choose usually on or off, then press exchange (setting) key to confirm
8, →NO.2 electric relay configration, press the on key can choose one of them from ESD, long-range, lack-phase, error, fully-open, fully-close, press off key can choose usually on or off, then press exchange (setting) key to confirm
9, →it shows on and off, press on key can change to adjustment type
10, →valtage shoices status, press on-off key can choose working valtage is 380V or 220V, press exchange (setting) key to confirm
11, →ESD status setting, press on-off key can choose one of them from original position fully open, fully close, press exchange (setting) key to confirm
12, →press on-off key can choose between F0 and F3, F0 represents long-range point, F2 represents when it has signal, it will be on, and conversely when it has not signal, it will be off, F3 represents when it has signal, it will be off, and conversely when it has not signal, it will be on. press exchange (setting) key to confirm.

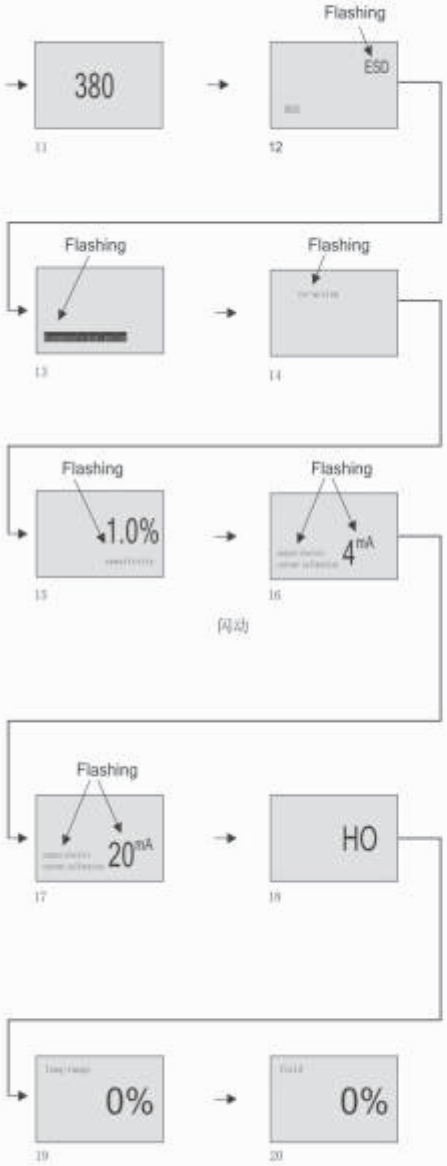


13, →it shows sub menu entence picture, if pressed exchange (setting) key, it will skip directly, press and hold for 3 seconds to get into sub menu setiing status
14, →it shows normal working status, long-range first
15, →press exchang key, it can swap between field and long-range.

2) Adjustment type setting

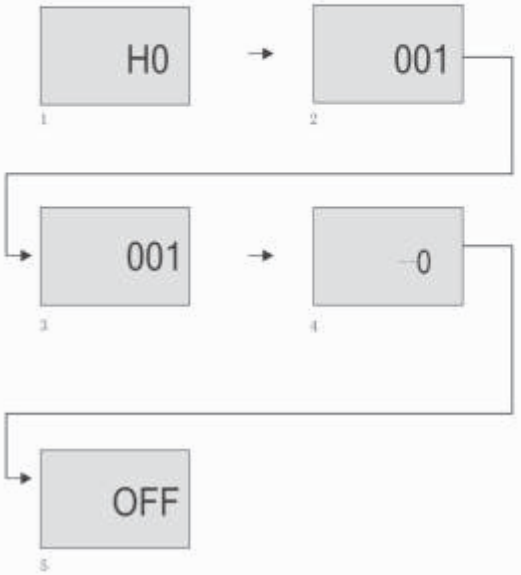


Explanation:
1, normal opening status
2, →press exchange (setting) key in 3 seconds to get into setting status
3, →press the on key to change to parameter setting status, then press exchange (setting) key to get into setting status
4, →get into passcode status, input passcode then press exchange (setting) key to confirm, if it was default passcode, press exchange (setting) key directly to confirm
5, →external ammeter observe current value, press on-off key can change currentvalue, then press exchange (setting) keyto confirm
6, →external ammeter observe current value, press on-off key can change current value, then press exchange (setting) key to confirm
7, →NO.1 electric relay configration, press the on key can choose one of them from ESD, long-range, lack-phase, error, fully open, fully close, press the off key can choose usually on or off, press exchang (setting) key tp confirm
8, →NO.2 electric relay configration, press the on key can choose one of them from ESD, long-range, lack-phase, error, fully open, fully close, press the off key can choose usually on or off, press exchange (setting) key to confirm
9, →it shows on and off, press the on key can change to adjustment type, press exchange (setting) key to confirm
10, →it shows the adjustment type, press exchange (setting) key to confirm.



Explaination:
11, →valtage choices status, press on-off key can choose working valtage is 380V or 220V, press exchange (setting) key to confirm
12, →ESD status setting, press on-off key can choose one of them from original position, fully open, fully close, press exchange (setting) key to confirm
13, →press on-off key to get into disconnected setting which can choose one of them from fully close, fully open, original position, press exchange (setting) key to confirm
14, →press on-off key can choose action and re-action, press exchange (setting) key to confirm
15, →press on-off key, the sensitivity can be chose fully stroke between 0.5%-0.3%, press exchange (setting) key to confirm
16, →after input 4mA signal, if it was normal, 4mA will not flash, press the on key to make input electric current calibration will not flash, then press exchange (setting) key to confirm, setting range 3.8-4.2mA
17, →after input 20mA signal, if it was normal, 20mA will not flash, then press exchange (setting) key to confirm, setting range 19-21m
18, →it shows sub menu entrence picture, if pressed exchange (setting) key, it will skip directly, press and hold 3 seconds to get into sub menu setting status.
19, →it shows normal working status, long-range first
20, →press exchange key can swap between long-range and field.

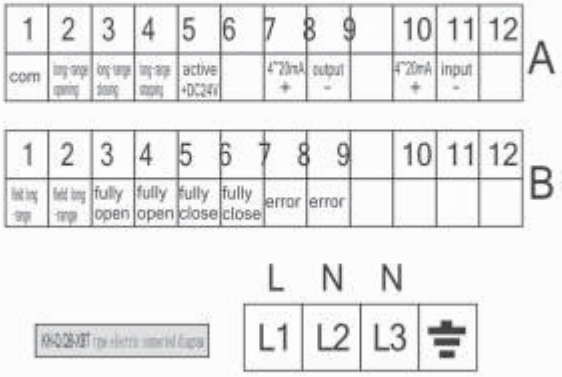
3) Sub-menu setting



Explaination:
1, press exchange (setting) key to get into sub menu setting in 3seconds
2, →it shows the actual working hours of actuator (showing number times 10), press exchang (setting) key to confirm
3, →press on-off and exchange (setting) k to set Rs485 postal address code, press exchange (setting) key to confirm
4, →new passcode setting status, type new passcode press exchange (setting) key to confirm
5, →press on-off key can choose ON or OFF if chose ON, press exchange (setting) key to confirm. Restorefactory default settings.

Warning: after changing password, please rememberthe new one, otherwise, it can not change the actuator parameter.

11. Connecting terminal diagram:



12. Ordering notice:

12.1. Please reprents the module in the right way, if it had special requirments, it has to be noticed when give the order, otherwise, we will provide to you according to our company rules;

12.2. It has to benn acknowledged when the environment has explosive air and it has to be noticed with the explosion-proof rules of this institution;

12.3. Please write the standard size of connection, valve stem diameter and extended length, if the connecting size is not accord with this institution, it can be nigotiation with us;

12.4. It is closed valves when the handwheel is clockwise rotating, if it was not, it has to be noticed;

12.5. Normally, the users choose required specification, if users were not sure about it, we will choose for you.

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Content

Products model definition