

MX-SP1
Single pump controller
单台水泵控制器



产品概述 Product Overview

该系列单台水泵控制器，是广泛应用于潜水排污泵、深井给水泵、消防稳压泵、多级离心泵、污水提升装置等设备，适用于22KW以下水泵的直接启动、浮球、压力等控制。

This series of single pump controller is widely used in submersible sewage pump, deep well feed pump, fire pressure stabilizer pump, multistage centrifugal pump, sewage lifting device and other equipment, suitable for direct start, float, pressure control of water pump below 22KW.

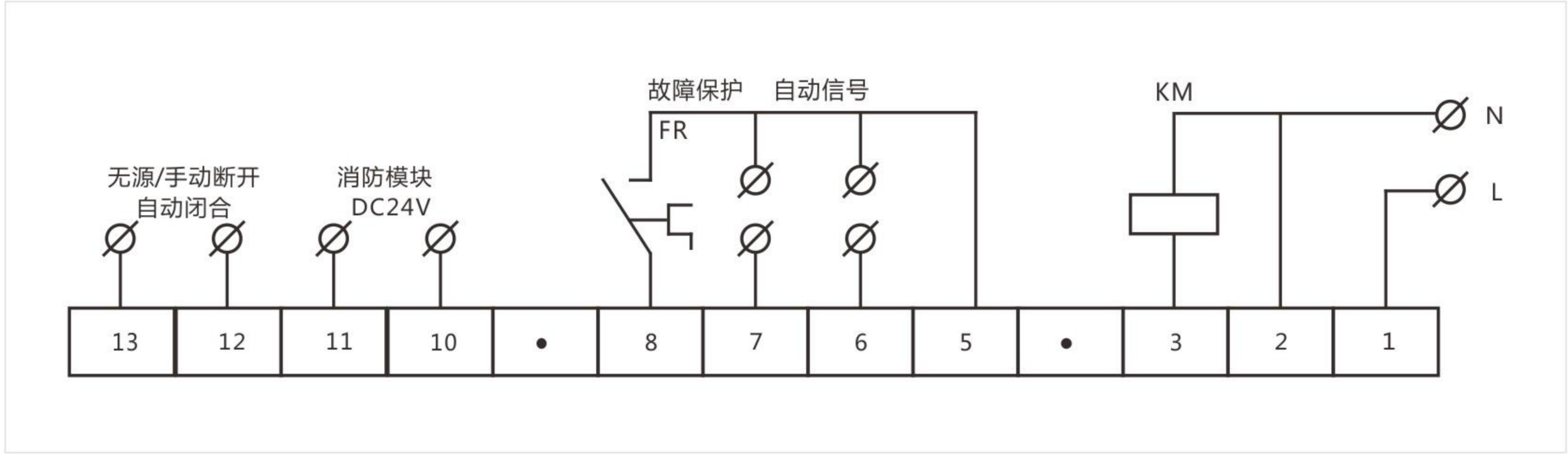
功能选择说明 Function selection description

- 在自动状态下按住自动键5秒可切换浮球控制和压力控制模式，红灯亮为压力控制模式，出厂默认红灯不亮，为浮球控制。
 - 在手动状态下，按住手动键5秒以上，可切换8#端子的故障信号类型，分常开型和常闭型，出厂默认为常开型。
 - 开启或关闭自动巡检功能，在自动状态下按住启动键5秒为开启或关闭巡检功能。当开启巡检功能，巡检指示灯会闪烁点亮，控制器会根据每15天一个周期开始巡检，每次启动时间为10秒。
 - 巡检功能测试方法：开启巡检功能后，在自动状态下按住二泵启动键5秒以上进入自动巡检测试功能。
- Press and hold the auto button for 5 seconds in the automatic state to switch the float control and pressure control modes. The red light is the pressure control mode. The factory default red light is not on, which is the float control.
 - In the manual state, hold down the manual key for more than 5 seconds, you can switch the fault signal type of 8# terminal, divided into normal open type and normal closed type, the factory default is normal open type.
 - To enable or disable the automatic inspection function, hold down the start button for 5 seconds. When the inspection function is enabled, the inspection indicator blinks and turns on. The controller starts inspection every 15 days with a duration of 10 seconds.
 - Inspection test method: After the inspection function is enabled, press and hold the start button of the second pump for more than 5 seconds to enter the automatic inspection test function.

自动信号接线 Automatic signal wiring

- 排水控制：浮球接5#、6#（接常开）；
 - 给水控制：浮球接5#、6#（接常闭）；
 - 电接点压力表：5#接动端、6#接下限，7#接上限；
 - 消防联动：10#、11#端口接DC24V，不分正负，得电启动，失电停止。
- Drainage control: float ball 5#, 6# (normally open);
 - Water supply control: float ball 5#, 6# (normally closed);
 - Electric contact pressure gauge: 5# connecting end, 6# connecting lower limit, 7# connecting upper limit;
 - Fire linkage: 10#, 11# port DC24V, regardless of positive and negative, power start and stop.

接线原理图 Wiring diagram



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接线端口 Connection port

端子号 No.	说明 Description	端子号 No.	说明 Description
1	工作电源 AC220V 火线 Working power supply AC220V live line	7	高水位报警 High water alarm
2	工作电源 AC220V 零线 Working power supply AC220V neutral line	8	过载保护点 Overload protection point
3	接触器线圈控制点 Contactor coil control point	9	
4		10/11	消防模块DC24V Fire module DC24V
5	公共端(无源) Common end(passive)	12/13	无源/手动断开自动闭合 Passive/Manual disconnect Automatically closes
6	自动反馈 Automatic feedback		

外形尺寸图 Outline dimensional drawing

