

➤ Warning

1. Please read this manual carefully before using and installing the controller.
2. This controller could not be used in area with explosion risk or with combustible gas. Do not use in environments that exceed its specifications. And disconnect power before maintenance.
3. Illustrations in the manual are for reference only.

➤ Technical parameters

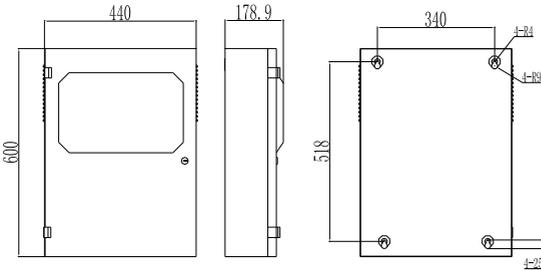
Power Supply	AC 220V	Output Power	DC 24±1V, 4.5A
Backup power	DC 12V/10Ah×2 Lead-acid batteries	Channel	32/64/128/196/256point
Way of Working	Bus system	Input Signal	CAN bus signal
Operation	Key operation	Weight	19.3kg
Display	7" TFT color LCD screen	Shell Color	Pale
Stand-by power consumption	≤15W		
Communication Interface	RS-485 (supports MODBUS RTU protocol)		
Contact Capacity	DC 30V、5A		
Environmental Stress	(86~106) kPa		
Ambient Temperature	(0~+40) °C		
Environment Humidity	(10%~95) % RH (non-condensing)		
Dimensions	600mm×440mm×170mm (HWD)		
Alarm Function	Use different LED lights indicate and different frequencies of the sound alarm to distinguish between different alarm levels		
Alarm record	Node,add, gas type, alarm type, alarm time		

➤ Controller structure and Function of keys



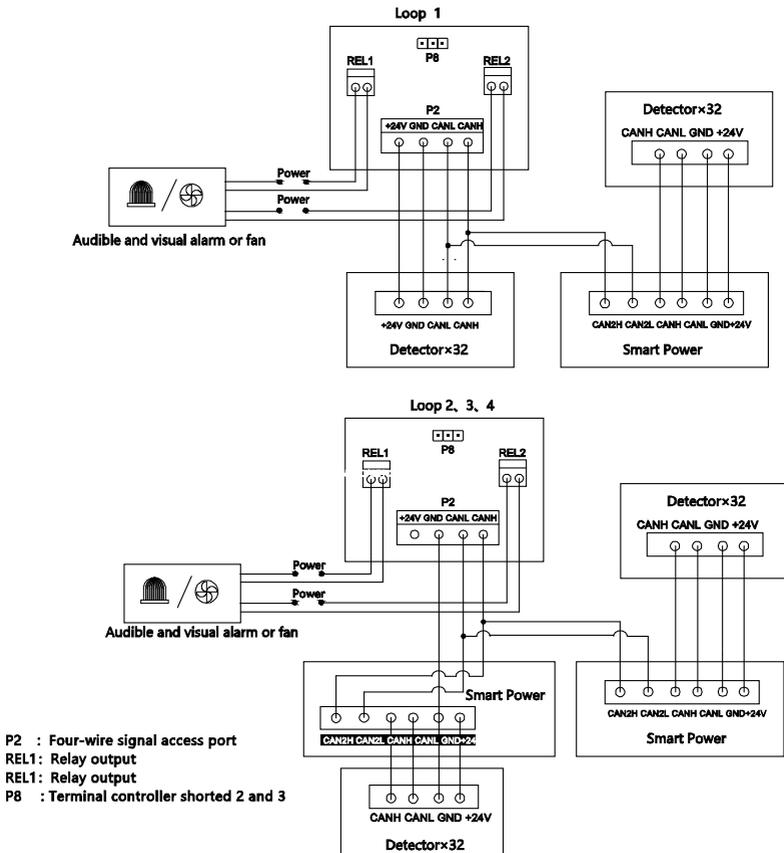
Key name	Key Function
[↑]	Switch page
[+][→]	Position of moving cursor
[↓]	Change option
OK	Confirm key / Enter menu
Query	Query historical alarm record
Cancel	Delete
Mute	Mute
Reset	Controller Reset
F1	Quit
F2	Function related to submenu
F3	Function related to submenu
F4	Function related to submenu

➤ Installation method



The size of Controller can be seen in Fig.1. When selecting installation position of the Controller, please leave enough room for repair and maintenance.

➤ Electrical connection



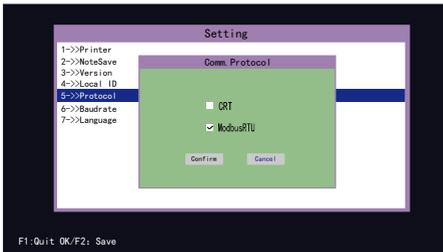
Note: After the first loop exceeds 32 nodes, the remaining nodes need to be equipped with VT3606 smart power relay power supply. All nodes of other loops are equipped with VT3606 smart power supply relay power supply, and can not be powered by circuit card 24V power line.

➤ Autocontrol



Click the "OK"key,input password and enter the Autocontrol interface→Click the "F2"key pop-up dialogue box→Manually added according to field components. In the linkage programming, the linkage source is the on-site detection device, and the linkage purpose is the output device (including the sound and light alarm, the linkage module, etc.), and the linkage logic is to use the linkage source to linkage linkage purpose, and each linkage source needs to separately add linkage.

➤ Protocol



Click the "OK"key,input password and enter the System setting interface→Select protocol→Select CRT or ModbusRTU。

Note: Controller factory default CRT protocol, without the host computer. After the controller is powered on, the communication fault and the fault general indication are reported. The solution is to set the protocol to Modbus protocol and restart the controller.

➤ Password setting

Click the "OK"key,input password and enter the Password setting interface→select 1st LevelPWD→input current PWD→input New PWD→input New PWD again, Click OK to change password successfully.The first level password is used to enter the system menu, and the second level password is used for parameter setting. The original password is required when the password is modified. The default password is “8888” and the second level password is “1111” 。

➤ Common faults and Repairs

Fault Phenomenon	Cause of Issue	Processing Method
The main power fault light is on	Main power abnormality	Check whether the main switch and AC connection are normal
The backup fault light is on	Backup power abnormality	Check whether the backup switch and backup battery connector are normal.
The alarm light is on	An alarm occurred Alarm to keep	Check if the detector has a gas leak, reset the controller after confirming
The fault light is on	Communication failure, node failure	Detector failure or power failure
LCD screen does not shine, the buzzer has a long ring	Main power off, standby power undervoltage	Connect the main power supply, charge in time