

KF-700C / U98

Eco

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KF-700C Ventilation Controller

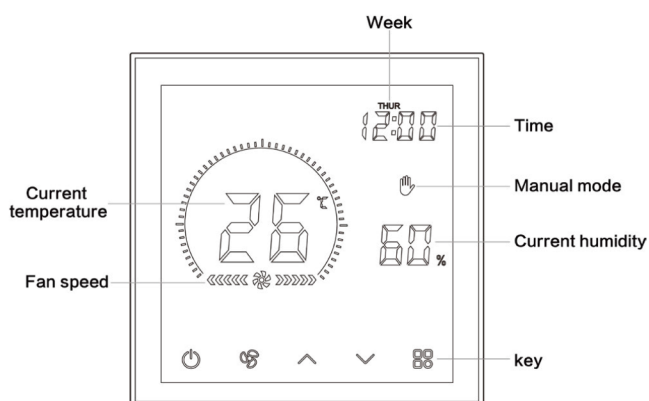
Product Overview

KF-700C LCD digital intelligent fresh air ventilation controller, users can choose manual control or timed control to control the operation of ventilation fan. The output signal of controller directly controls the start and speed of the ventilation fan. It can be widely used in residential, commercial and industrial occasions, and can effectively improve air quality and create a healthy, comfortable, efficient, environmentally friendly and energy-saving living and working environment.

Product keys function description

-  Key: Mode key
-  Key: Set fan speed
-  Key: Parameter up key
-  Key: Parameter down key
-  Key: Power on/off key

Display instructions



Detailed description

- Power on/off:** short press the  key to turn on, and press it again to turn off.
- Mode switch:** long press the  key for 2 seconds to switch between manual mode and timing mode, the manual mode displays , the timing mode displays .
- Manual fan speed adjustment:** in manual mode, short press the  key to increase the fan speed, short press the  key to decrease the fan speed, short press the  key to adjust the fan speed to the maximum gear.
- Timing fan speed:** automatically run according to the set time and fan speed.
- Bypass valve:** short press the  key to switch the bypass valve, the bypass valve is open and the icon is

displayed, and the bypass valve is closed and the  icon is displayed.

6. **Timing parameter setting:** Press and hold the  key for 3 seconds to enter the timing parameter setting. First, enter the local time correction. Press the  key to switch the day of the week, hour, and minute. The corresponding parameters will flash. Use the  and  keys to modify the values. After the local time correction is completed, press the  key to enter the hour setting of Monday period 1. Press the  key to switch the hour, minute, and wind speed. Use the  and  keys to modify the values. After the setting is completed, press the  key to enter the Monday period 2 setting... Repeat the previous steps until all 28 periods are set. If no button is pressed for more than 10 seconds during the setting process, the controller will automatically return to normal working state and save the setting parameters.

7. **RS485 communication address setting:** Press and hold  for 10 seconds to enter the RS485 communication address setting. The address will flash in the position where the clock was originally displayed. Use the  and  keys to modify the values. The address setting range is 1-250, and the factory default is 1.

8. **Child lock function:** Press the  and  keys at the same time for 3 seconds to turn on or off the child lock function. After the child lock is turned on, the  icon lights up, and the key function is invalid after the child lock is turned on.

9. **Screen saver time:** The backlight lights up when there is a key operation. If there is no key operation for more than 60 seconds, the backlight will automatically dim.

10. **Connect the controller to the WIFI network:** Scan the network configuration QR code below to download the "Tuya" APP, open the APP and follow the prompts to register an account and log in. Press and hold the  key for 5 seconds to allow the device to enter the network configuration state (the icon  flashes quickly), then click the "+" icon in the upper right corner of the APP to add a device, follow the prompts on the APP to complete the connection to the WIFI network, and after the network configuration is successful (the icon  is always on), you can remotely control it through the APP.

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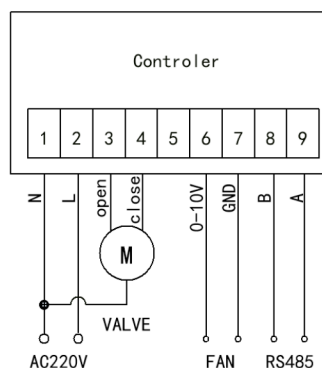
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Technical parameters

- * Dimensions: 86×86×40mm
- * Storage temperature: -10℃--- +60℃
- * Mounting hole distance: 60mm (standard)
- * Storage humidity: ≤60%RH
- * Standby power consumption: ≤3.0W
- * Temperature display range: 0℃—+50℃
- * Rated voltage: 220VAC 50Hz
- * Operating temperature: 0℃--- +50℃
- * Life: ≥5 years
- * Wiring terminal: Maximum 2.5 mm² wire
- * Operating humidity: 5%RH—90%RH (non-condensing)
- * Current intensity - 1A
- * Maximum power of the device - 200W

Wiring Diagram



WIFI QR CODE



OR



Communication interface: RS485 MODBUS RTU

1. Communication serial port configuration: 8 data bits, 1 stop bit, no check, baud rate: 9600 bit/s
2. Supported commands: 0X03 0X06 0X10, default device address: 0x01
3. Register address

Name	Register address (2 bytes)	Register value range (2 bytes)	Attributes	Remark
Switch	0x0000	0x0000 Power off 0x0001 Power on	Read/Write	
Mode	0x0001	0x0002 Manual mode 0x0003 Timing mode	Read/Write	
Fan speed	0x0002	0-5	Read/Write	Fan speed set by manual
Valve	0x0003	0x0000 close 0x0001 open	Read/Write	
Child lock	0x0004	0x0000 Turn off 0x0001 Turn on	Read/Write	
Spare	0x0005		Read/Write	Spare
Spare	0x0006		Read/Write	Spare
Spare	0x0007		Read/Write	Spare
Spare	0x0008		Read/Write	Spare
Spare	0x0009		Read/Write	Spare
Maximum filter usage time	0x000A	0-9900	Read/Write	Unit: hours
Filter running time	0x000B	0x0000--Maximum filter usage time	Read/Write	Unit: hours Clear filter: write 0x00AA, Other values are invalid
Spare	0x000C	Spare	Read/Write	Spare
Indoor temperature	0x000D	0-60	Read-only	Unit: °C
Indoor humidity	0x000E	0-99	Read-only	Unit: %