

## GT11 Controller User Guide

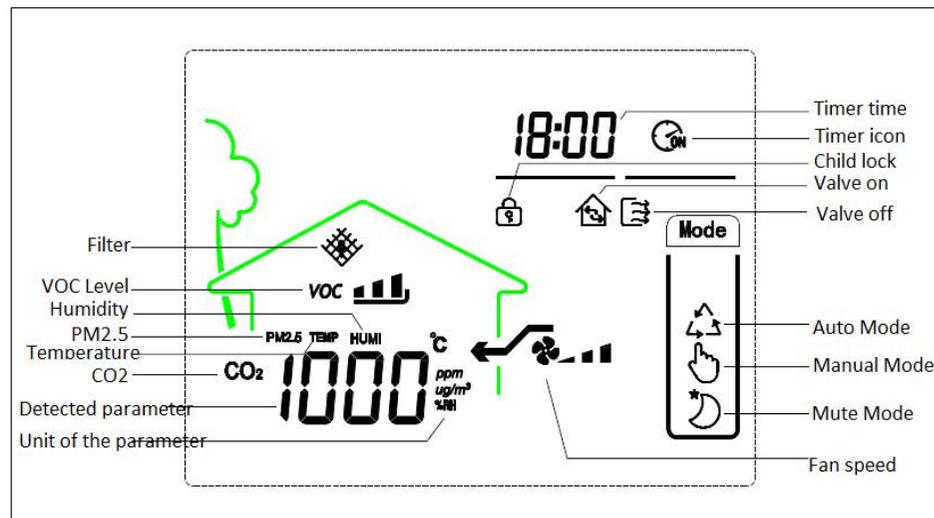
### Technical Parameters

- Power supply: AC85-260V 50Hz
- Dimensions: 86\*86mm
- Display: LCD
- Outer Shell: ABS Flame retardant materials + Toughened glass
- Installation: Standard 86 box (Hole Pitch 60mm)
- Wireless communication: WiFi
- Wire communication: RS485
- Wiring: Terminals
- Sensors: PM2.5, CO2, Temperature, Humidity, VOC ( A8-5 Multi-sensor is optional )
- Sensor option: external, equipped with WS130



## Key and Display Instructions

Button	Instruction
	Press and hold on 5 seconds to turn ON/OFF
	Press to adjust the brightness at 3 levels
	Press and hold on 5 seconds to control the damper to be ON/OFF
	Press to switch and check each sensor's parameter
	Press and hold on 5 seconds to check the counting time of the filter
	Press to change the fan speed at High, Medium, Low manually
	Press and hold on 5 seconds to lock or unlock the keys
	Press to set timer mode
	Under normal working status, press and hold on 5 seconds to configure WIFI signal for the controller
	Press to switch the mode among: Auto, Manual, Mute



## Operation Instruction

1. **ON/OFF : ON :** After powered on, it will display “OFF”, press  and hold on for 3~6 seconds, it will enter in to normal working interface.

**OFF :** Under normal working interface, press  and hold on for 3~6 seconds to turn off the device, “OFF” displays and all outputs are off.

2. **Working Mode Setting:** Under normal working interface, press (M) to switch the mode among Auto, Manual, Mute .

- During auto mode, the controller can control the fan speed to work automatically based on the values of PM2.5, CO2 or VOC.

No.	PM2.5 value	CO2 value	VOC level	Fan Speed
1	≤50	≤800	≤ 2	Low Speed
2	> 50	> 800	> 2	High Speed

If any value of PM2.5, CO2 or VOC exceeds the limit, the fan will work at high speed directly. When the detected PM2.5 value is below 50 - its backlash , the detected CO2 value is below 800 - its backlash, and the detected VOC value is below 2 - its backlash, the fan will run at low speed. ( PM2.5 default backlash is 10ug/m3, CO2 default backlash is 50ppm , VOC default backlash is 1 )

- Manual Mode: Set the fan speed at high, medium, low manually.
- Mute Mode: the fan runs at low speed.

3. **Timer off setting :** Press (🕒) to set the shutdown time. The timer icon is flashing, 00:00 displays on the screen, press (🕒) again, the time will increase up to 12:00 incrementally and then loops back to 00:00, increasing unit: 30minutes. Wait for 3sec or press (M) to confirm and return. When timer mode is on, only the timer icon displays on the screen but not the exact counting time. After setting the time, press (🕒) in the future to check the rest counting time. If the time is set to 00:00, the timer mode is off.

4. **Fan speed setting:** Note:the fan speed can not be modified manually in Mute mode and Auto mode, it can only be set in Manual mode. In Manual mode, press

 to switch the fan speed in no-wind, low, medium, high four statuses. Under non-manual mode, press  to change the fan mode. In non-manual mode, the fan speed can not be set.

5. **Key lock:** under normal interface, press  and hold on 5 seconds to lock the keys. When the lock icon displays on the LCD, it indicates that the buttons are locked. When the lock icon disappears, it indicates that the buttons are unlocked. When the buttons are locked, only ON/OFF button is active, other buttons are invalid.

6. **Filter parameters setting:** Under normal working interface, press  and hold on 5 seconds to check the remaining counting time to clean or change the filter, the time increasing unit is 1day. (Note: only when the fan is on, the accumulated time of the filter is valid).

**The filter alarm resetting:** Under normal working interface, press  and hold on 5 seconds to check the remaining counting time to clean or change the filter or press  +  and hold on 5 seconds to reset the filter alarm time. After setting, the filter alarm time is stored correspondingly in the secret menu.

7. **Sensors parameters checking:** Under normal working interface, press  to check the parameters of CO2, PM2.5, Temperature, Humidity etc . If there is error of the sensor, it will skip to display the next sensor parameter. Same logic to VOC.

8. **Valve Control:** Under normal working interface, press  and hold on 5 seconds, the valve is on, the valve-on icon displays on the screen. Press  and hold on 5 seconds again, the valve will be off with the valve off icon displayed on the screen.

9. **Screen brightness setting:** Under normal working interface, press the ON/OFF button to set the brightness at 3 levels (All bright, half bright, slightly bright).

## Secret Menu:

Under OFF status, press  and hold on 5 seconds to enter into the secret menu password interface, press  to set the first number of the password, press  to switch to the next number of the password until the password 1234 is inserted, then press  to enter into the secret menu.

No.	Description	Default Value	Range	Note
01	Factory Default	53	0~99	Default value is 53, after adjusting the data to 55,press the  to make the setting valid.
02	Temperature calibration	0	-9.5-9.5	
03	Filter alarm time	360	30-360	
04	PM2.5 limit	50	50-500	
05	CO2 limit	800	800-1500	
06	VOC limit	2	2-3	
07	Fresh air fan speed voltage	300, 700, 1000	0~1000	
08	Exhaust fan speed voltage	300, 700, 1000	0~1000	
09	Sound level	9	OF , 0~9	

10	Power state	OF	OF/ON/OR	= OF: Once powered on again to be in OFF mode; = ON: Once powered on again to be in ON mode; = OR: Remember the last powered on status
11	<b>Software version</b>	<b>10</b>		<b>Can not be set. 10 means V 1.0.</b>
12	WIFI icon clear	0	0/1 clear	Once valid, will display automatically.
13	Slave address	1	1~64	reserved

## Optional Models Category

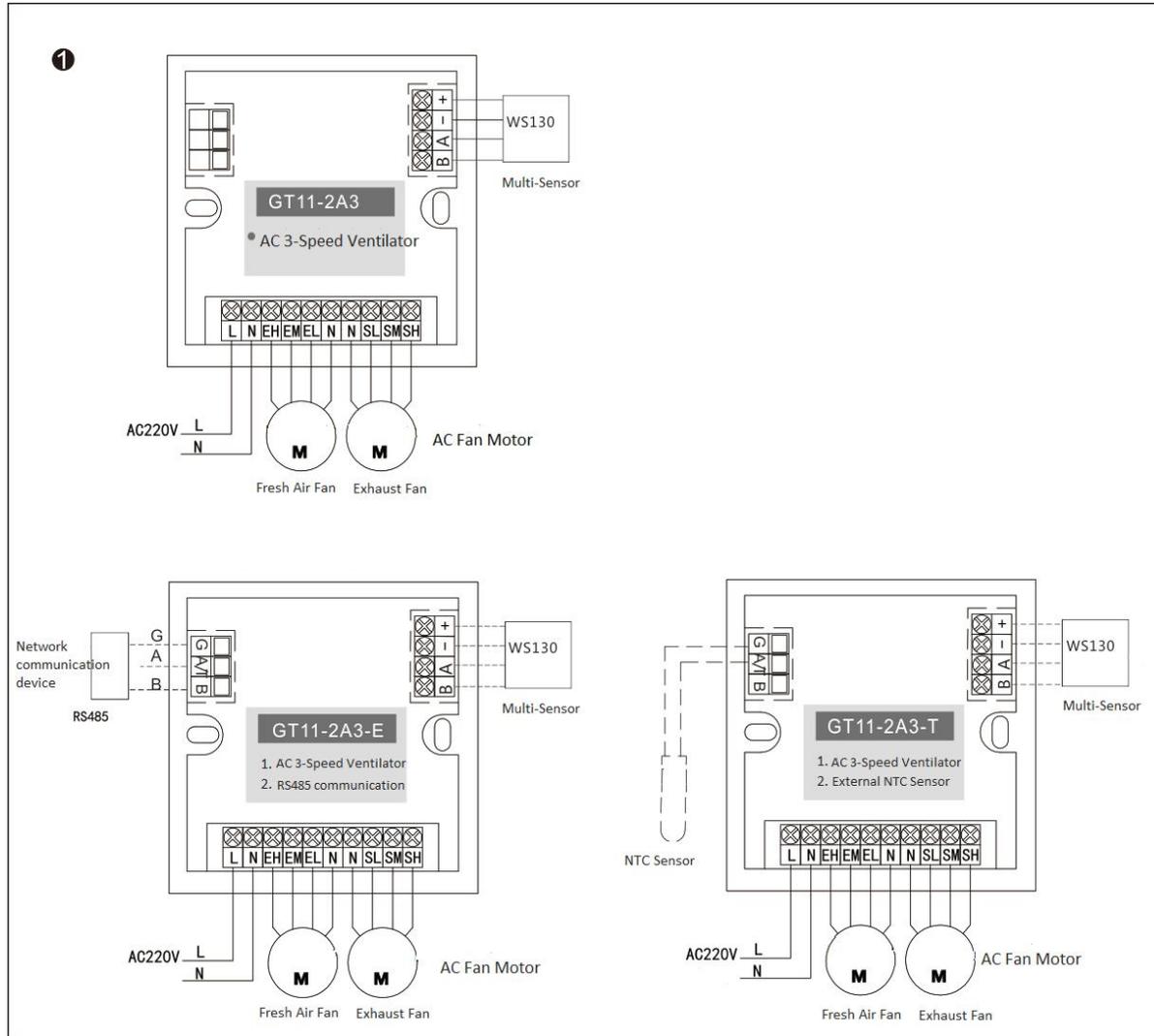
Category	No.	Specifications									Outlook
		Model No.	AC 2-Speed Fan (AC220V)	AC 3-Speed Fan (AC220V)	On-Off Output (220V)	Analog Output (0-10V)	RS485 (Optional—E)	External Sensors (Optional—T)	External Sensors WS130	Function instruction	
GT11 all-in-one controller	1	GT11-A2	■				□	□	<ul style="list-style-type: none"> <li>●PM2.5</li> <li>●CO2</li> <li>●Temperature</li> <li>●Humidity</li> <li>●VOC</li> </ul> (optional sensor modules)	<ul style="list-style-type: none"> <li>●Working Mode: Manual, Auto, Mute</li> <li>●Timer function: 0-12h</li> <li>●Filter alarm</li> <li>●WIFI( optional )</li> </ul>	GT11 
	2	GT11-A2V	■		■		□	□			
	3	GT11-A2VD	■		■	■	□	□			
	4	GT11-A3		■			□	□			

5	GT11-A3V		■	■		□	□
6	GT11-A3VD		■	■	■	□	□
7	GT11-2A3		2 ways ■			□	□
8	GT11-D2V			■	2 ways ■	□	□

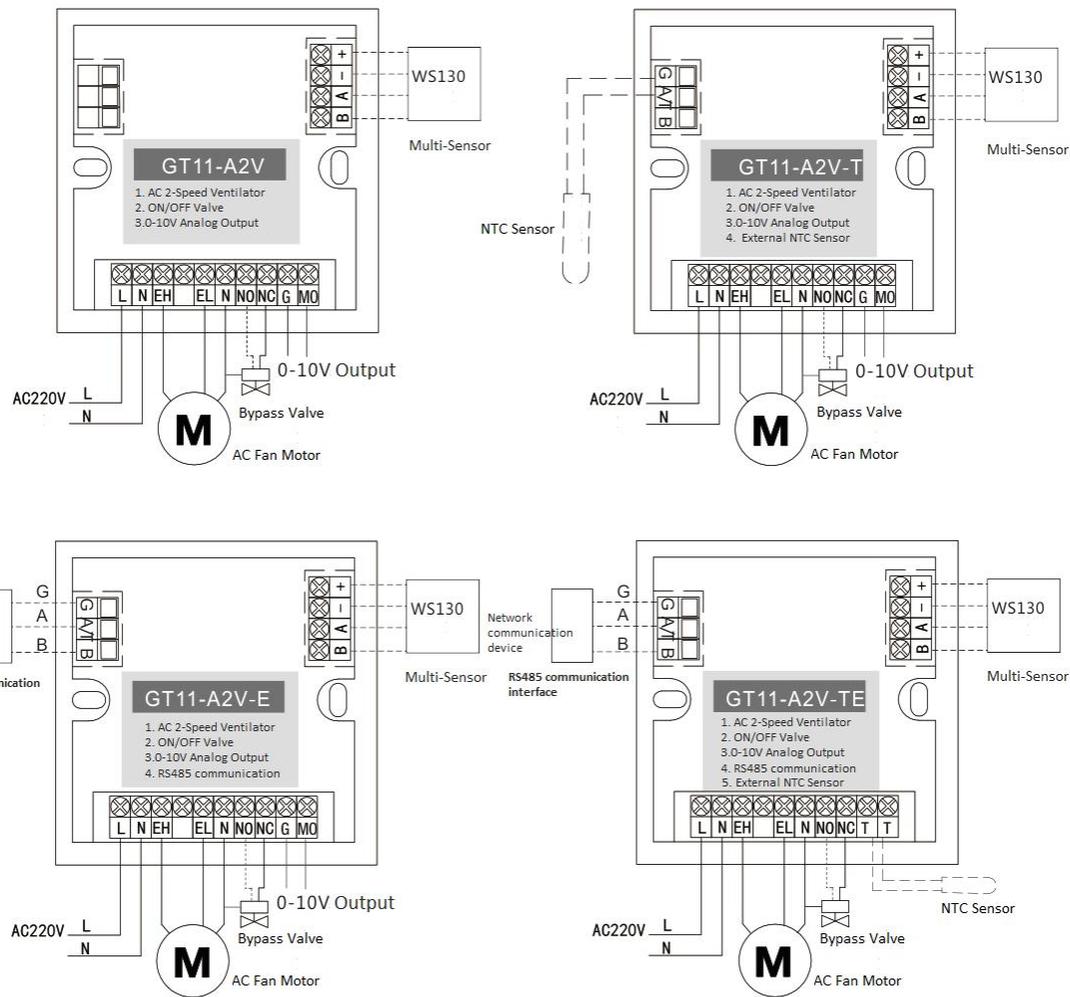
WS130



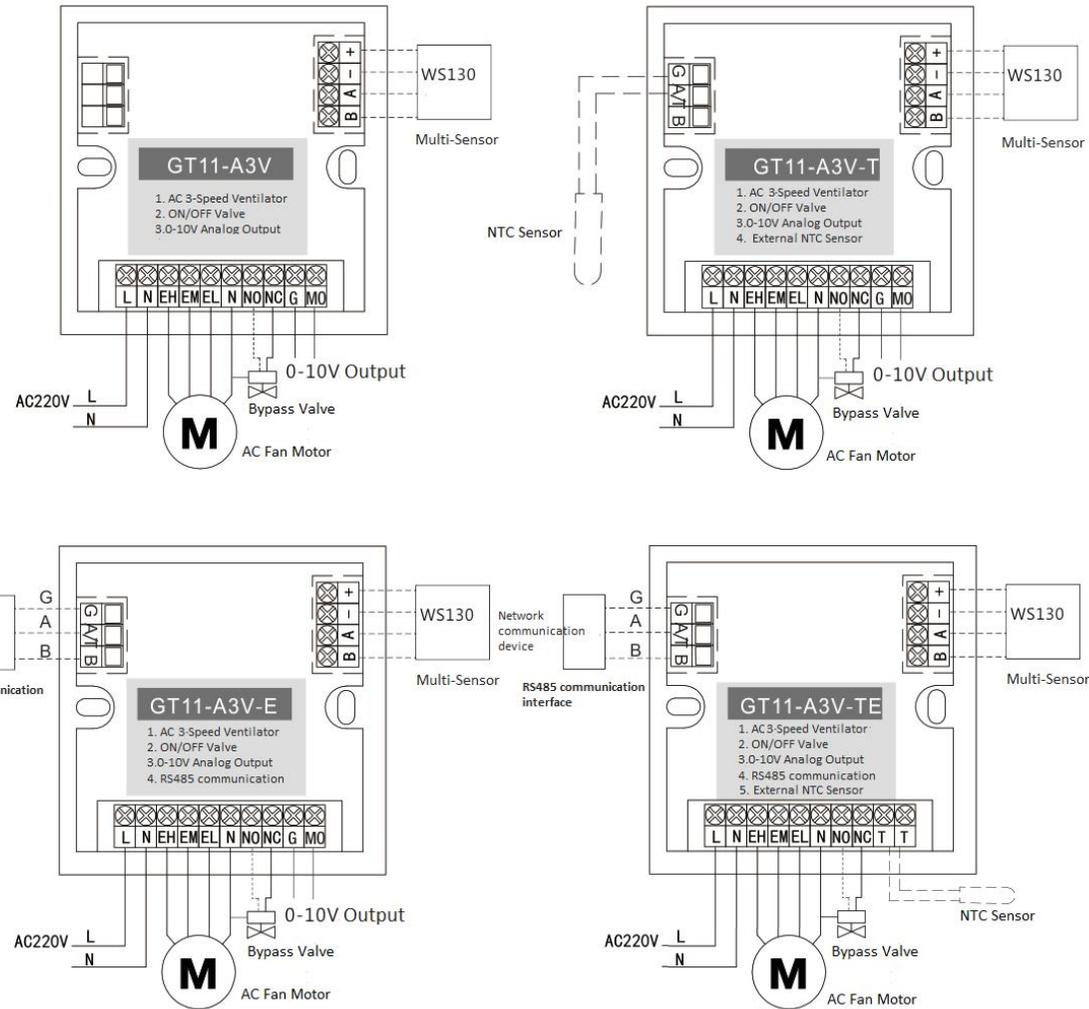
# Diagrams



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