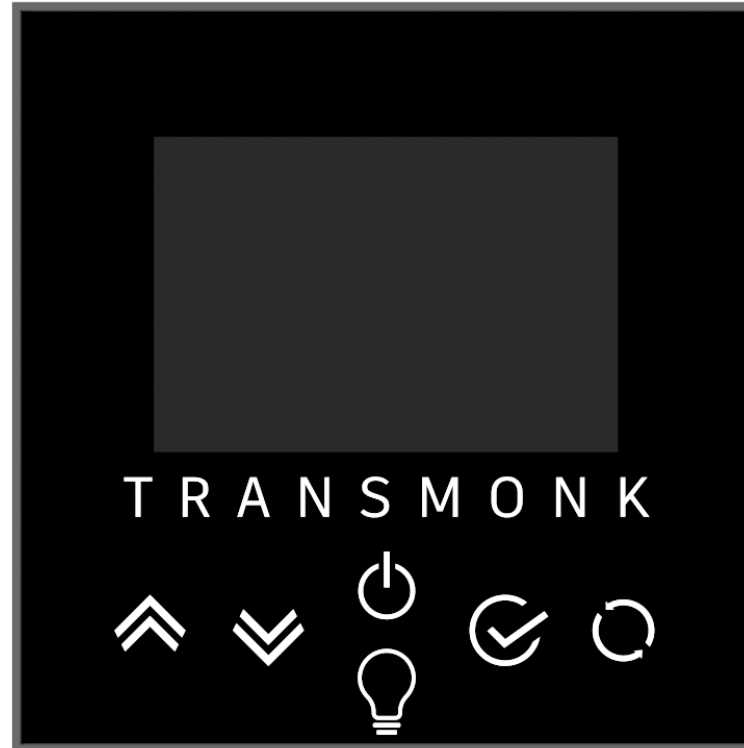


TC-ECF24230-
A/RF/P/PM/AQ
EC FAN CONTROLLER
AUTO

DATASHEET-
OPERATIONAL GUIDE.

En-GB
METRIC.
M/A Series



TRANSMONK
simply precise.

The controller is designed/programmed to control EC-fan speed to maintain PM level based on set points for PM2.5 in controller setting. The supply voltage for this controller is 230V AC 50-60Hz. The output voltage is adjusted from 0 to 10 automatically based on maximum and minimum fan speed required with respect to temperature set points. It is also equipped to take feedback from fan and display it on screen. It captures real time monitoring of data like PM2.5, UV status, DP and fan speed parameters and same has been displayed in screen. It also has provision to set alarm points for pressure, it will indicate the alarm once filter is choked and reached to set pressure.

Key feature

- 2.4-inch TFT Screen with fan parameter display
- Variable stepless speed can be achieved
- Insert Mounting
- User-friendly 4 button interface
- Remote (RF) based control (Model number will be changed)
- Modbus RTU (RS485) communication for integration with BMS (Model number selection TC-ECF24230-A/PRS)
- Lock min and max RPM
- Manual and Auto mode changeover with one touch

Technical parameters

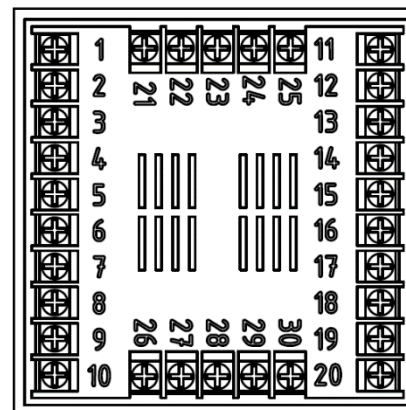
- Supply input: 230 V AC, 50-60Hz
- Variable output :0-10V
- Indoor use only
- Tech input for EC fan RPM
- Temp range 0-60 degree C
- Potential free contact 7amp (Relay)
- pressure alarm settable
- Auto reset setting to previous setting
- DP Sensor with digital output
- PM2.5 sensor and AQI sensor with digital output
- Settable parameter for PM 2.5

Display parameters

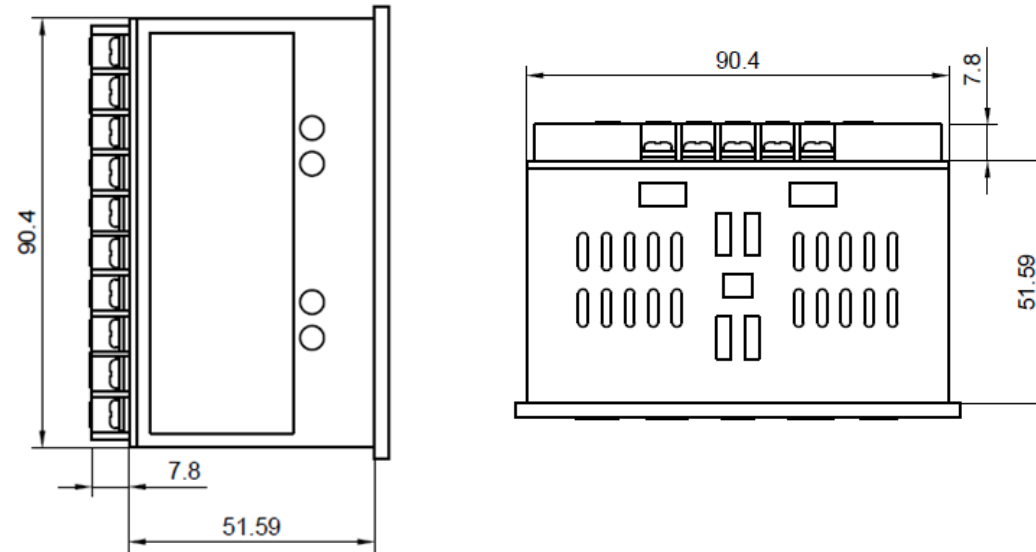
- RPM, Fan Set points
- Flow % in case of fan
- Controlling volt
- DP, set points for alarm
- Modbus parameters
- Real time PM 2.5 and AQI
- Set screen for PM2.5 and DP values

Wiring Connection

Pin 2- GND	Pin 11- Pressure sensor (-)
Pin 3-Tech input	Pin 12- Pressure sensor (+)
Pin 4-+10V	Pin 16-E
Pin 5-GND	Pin 17- Neutral
Pin 10- 0 to10V out	Pin 18- Line



Dimensional details



Operating Instructions

Keys

On/off Button/menu toggle



Increase value (up keys)



Decrease value (down keys)



Toggle down the set point





Toggle up the set point



Change from manual to Auto mode with one touch button

Increase and Decrease fan speed

Use  (up) and  (down) keys to increase and decrease the fan speed manually also in remote there is up and down keys to change the speed

After leaving for few second controller will accept new setting automatically and it will run fan at set points