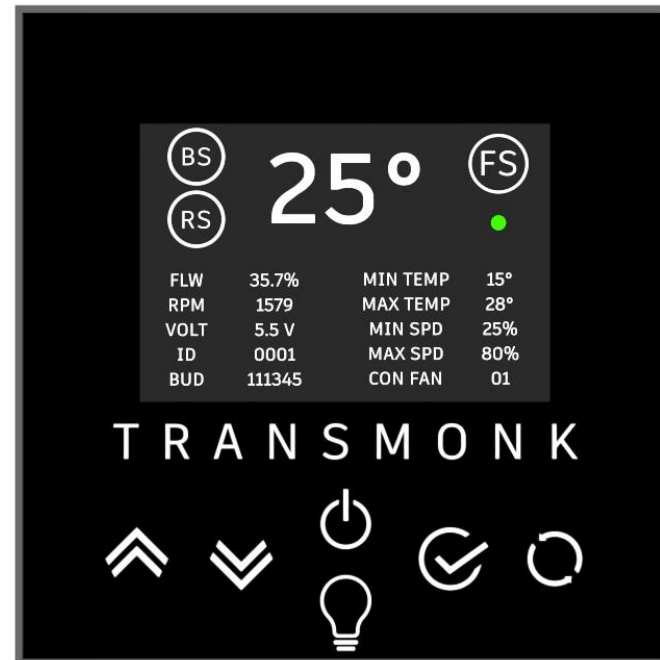


TC-ECF24230-A/T
EC FAN CONTROLLER
MANUAL

DATASHEET-
OPERATIONAL GUIDE.

En-GB
METRIC.
A Series



TRANSMONK
simply precise.

The digital controller is designed/programmed to regulate the EC fan speed to maintain constant temperature based on set points. It is featured to maintain Minimum/No air flow once the temperature is reached and can go up to maximum desired speed once the temperature exceeds desired set point. The controller has user friendly 4 button interface which enables user to adjust set points on a single screen. Speed of EC fan is automatically regulated between the set points resulting in energy saving. The controller display shows RPM, Flow %, temperature set points, real time temperature

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
- For Auto controlling of complete system up to 4 fans.

Technical parameters

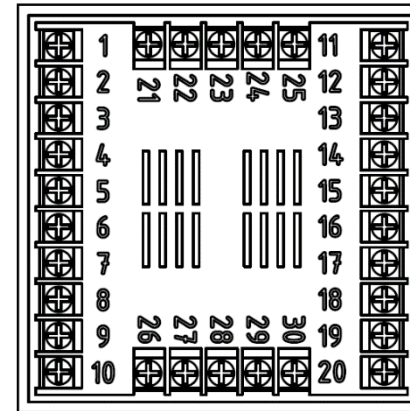
- Supply input: 230 V AC, 50-60Hz
- Variable output :0-10V
- Indoor use only
- Tech input for EC fan RPM
- Temp set range 5-60 degree C
- Potential free contact 7amp (Relay)
- Temperature range settable
- Auto reset setting to previous setting
- Temperature Sensor with digital output

Display parameters

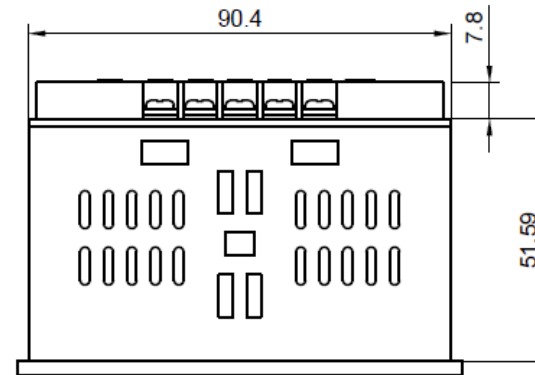
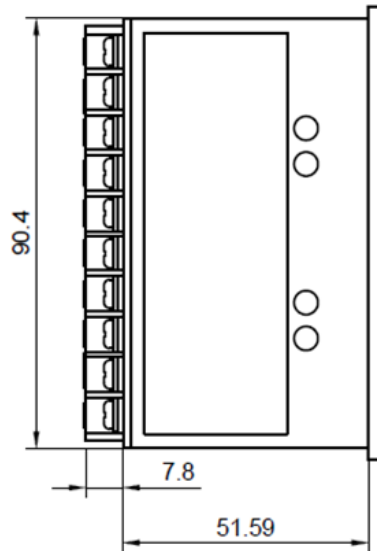
- RPM, Fan Set points
- Flow % in case of fan
- Controlling volt
- Temperature, set points
- Modbus parameters

Wiring Connection

Pin 2- GND	Pin 11- Temp sensor (-)
Pin 3-Tech input	Pin 12- Temp 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





Display

- Fan RPM
- Flow %
- Controlling Volt
- Temp- Set Point
- Lock Set min and Max fan speed

Setting temperature for auto control

Once the controller power up it will calibrate with the existing room temperature, to go to the setting menu use  and  together and enter the menu, then use any keys  or  keys to toggle between parameters. Once we reach to Max / Min parameter we can set values by Up and down keys. Wait for 8 sec and after that controller will auto reset the values.

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