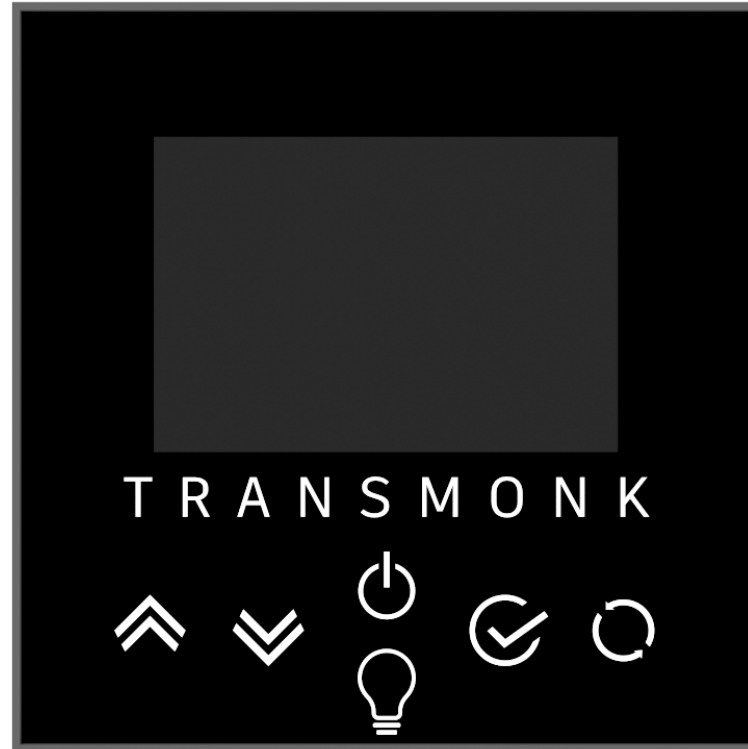


TC-U24230-A/T
TEMPERATURE BASED
CONTROLLER
MANUAL

DATASHEET-
OPERATIONAL GUIDE.

En-GB
METRIC.
M Series



TRANSMONK
simply precise.

The controller is designed/programmed to auto- control speed of Motor /Actuator or Damper based on set temperature with an analog signal (0—10 VDC / 0—20 mA / PWM). The supply voltage for this controller is 230V AC 50-60Hz. The output voltage is adjusted from 0 to 10 as per feed temperature points. It is also equipped to take feedback from the equipment and display it on screen. It has user friendly button interface to set the desired temperature limits.

Key feature

- 2.4-inch TFT Screen with fan parameter display
- Variable speed for fan motor /actuator 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 (different model number selection)
- Lock min and max limits of analog signal

Technical parameters

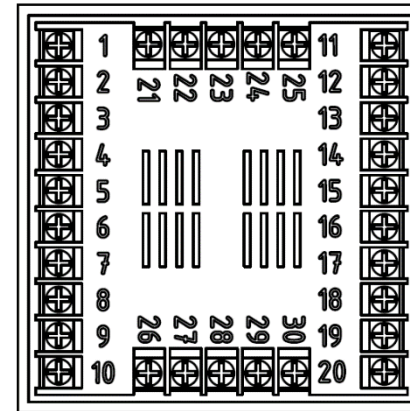
- Supply input: 230 V AC, 50-60Hz
- Variable output :0-10V
- Indoor use only
- Tech input for Motor/Actuator
- Temp range 0-60 degree C
- Potential free contact 7amp (Relay)
- Temp range settable
- Auto reset setting to previous setting

Display parameters

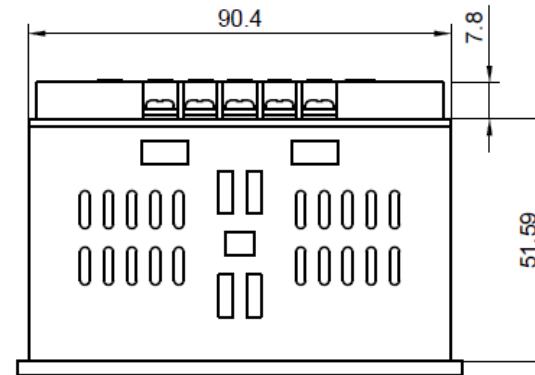
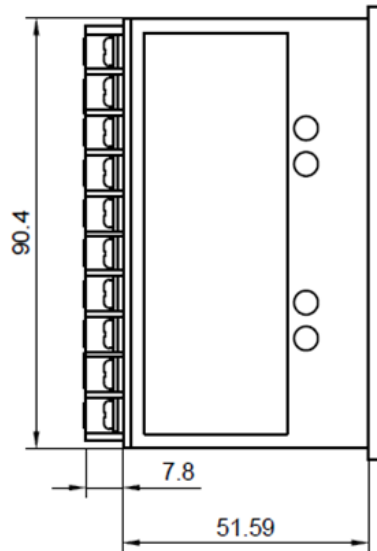
- RPM for fan motor (in case fan motor is connected)
- % opening of valve/running status of fan motor
- Controlling volt
- Temp, set points.
- Modbus parameters (based on selected model)

Wiring Connection

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



Setting Minimum and Maximum range for controlling of connected equipment.

Once the controller power up it will calibrate the temperature by its own and the same has been reflected in screen This can be taken as reference point to set the desired temp points.

Increase and Decrease fan speed

Use  (up) and  (down) keys to increase and decrease the value 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 the equipment at set points