DIN-TC DIN RAIL TYPE TEMPERATURE INDICATOR

USER MANUAL

1. Product description

DIN-TC type temperature controller is most use in the electric distribution box，it can be easy install on the din rail and with the NTC10K temperature sensor,the meter have relay inside,can control the fan or heater to make the environment at the setting temperature.
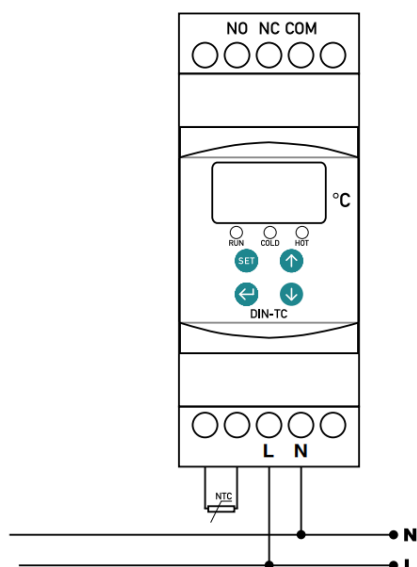
2. Main parameter

Model	DIN-TC220，DIN-TC12，DIN-TC24
Power supply	220VAC 50/60HZ ,12VDC,24V DC
Measure range	-20°C～100°C
Accuracy	1°C
Working environment	0-50°C
Sensor	NTC 10K with 2m cable length
Installation method	DIN-RAIL

Notice：please wait 1 minuter before test the environment to make the sensor adapt to the ambient temperature

3.Drawing
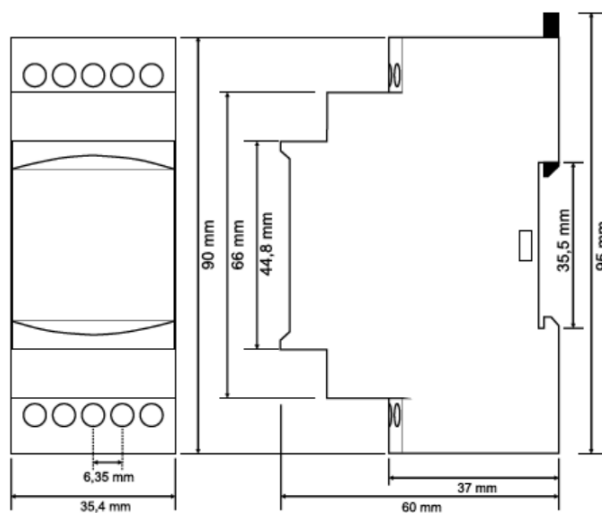
4.Wiring diagram

NO:relay state is normally open

NC:relay state is normally close

COM:Common port

Note: wiring must be strictly in accordance with wiring diagram to avoid product damage or even safety accidents due to line problems.

5.Code description:

Code	Name	Description
C	Cold model	Use cold model should connect the port to NO and COM,the relay is normally open.The device will close When temperature over the setting value.Most use with the fan,the fan will start cooling if temperature over.
H	Hot model	Use hot model should connect the port to NC and COM,the relay is normally close.The device will open When temperature over the setting value.most use with the heater,the heater will stop working if over the temperature

d	Temperature difference	This code is control the relay working temperature Cold:SET+D;if cold model the relay will close TEMP > set+D Open at Temp<set Hot:SET-D; if hot model the relay will close TEMP<set-D and open at TEMP> Set
dely	Relay operation delay time	Relay close time will delay setting range"0-300s"
sc	Temperature deviation correction	If the NTC sensor is working in other medium,the temperature will have some different,we can set the deviation correction.range "-15°C~15°C"

6.Program logic
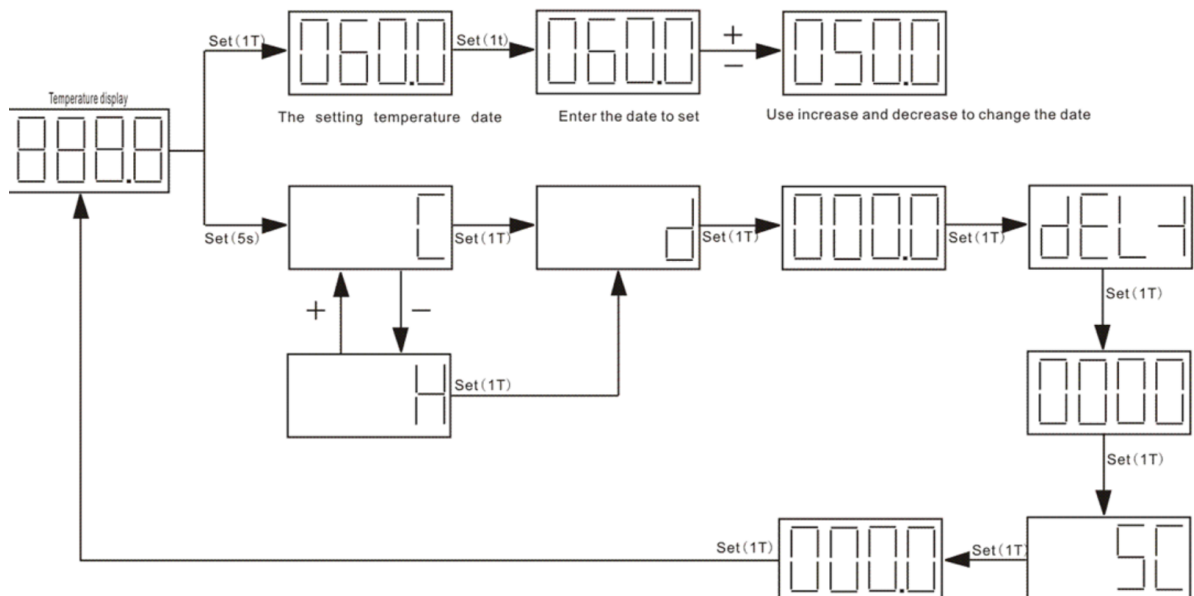
7.Error display
"-20"the sensor is not connect to the meter