



Operating manual

Mod. : THC-3N

Program loading



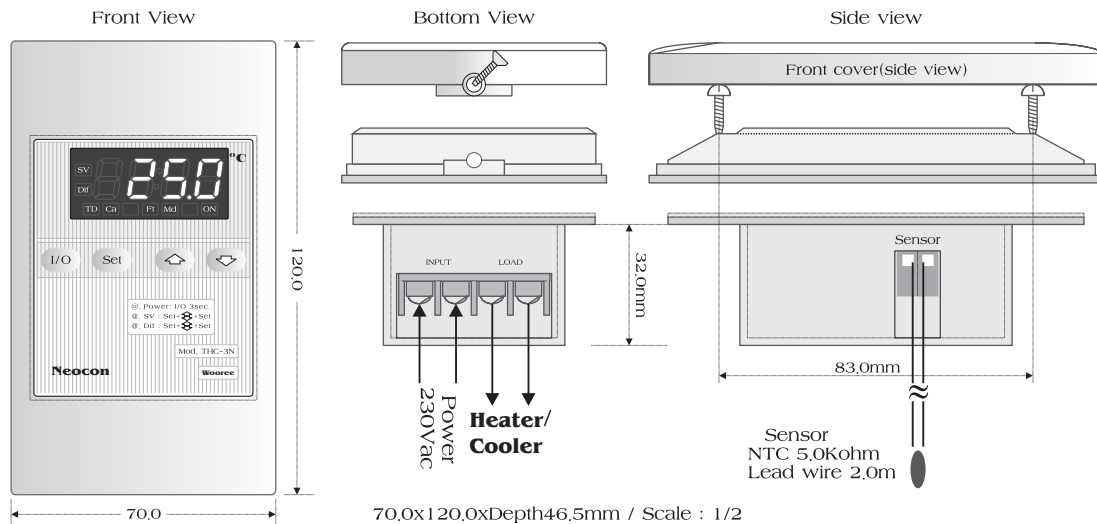
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- Power ON/OFF : If you press "**I/O(In/Out)**" key for **3** seconds, present temperature will be displayed on the display. To turn power "**OFF**", press "**I/O**" key for **3** seconds. Then, the display will be "OFF".
 - Selection Value : After checking the lighting of **SV(Selection Value)** by pressing "**Set**" key, set the selection value by "**▲/▼**" key.
Make sure to press "**Set**" key again to complete the setting.
 - Temperature Differential : After checking the lighting of **Dif(Differential)** by pressing "**Set**" key for **3** seconds, input the differential value by "**▲/▼**" key.
At that time, the differential value will be applied to the above and below of the selection value. At least, **0.3°C** is recommended to protect a mechanical system from excessive operation. **±1.5°C** is suitable for cooling/heating and is inputted as the initial differential value.
 - Cooling/Heating : When you check the inputting of Temperature Differential and press "**Set**" key again, you can select "Cooling/Heating" by pressing "**▲/▼**" key.
Press "**set**" key again to complete the setting.
- Notice : At that time, it should match the load(Heating is inputted when it is delivered.)
- probe : When the sensor is disconnected, **-Lo-** will be displayed on the display. When the sensor is short, **-Hi-** will be displayed on the display. At that time, power supply will be cut. Make sure to check the connection of probe.

*, All specifications are subject to change without notice.

1.	Power Input : 230Vac/50~60Hz/ 10%	Power Output : 230Vac/50~60Hz
2.	Power Capacity : Max, Load 2.5Kw /230Vac/1HP	Application : Cooler/Heater
3.	Sensor Type : NTC 5.0Kohm/25.0°C	Relay : Relay/20A/230Vac
4.	Temperature Display : LED/3 Digits/-40.0~100.0°C	Control : ON/OFF
5.	probe : Lo(Open)/Hi(Short)	Environment Range : 0~60°C/below 85%Rh

* Dimension for each parts *



Cautions in use

- Please avoid excessive rising of temperature, humidity and impact.
- Please it upright to prevent water droplet at the end part of sensor.
- Keep it away from high voltage device or power generator and motor.
- Please wait for 5seconds to turning it on again to avoid electric impact.
- Use it between 0~60°C in temperature, 60% humidity around the controllers.
- Please install in safe from strong acids, alkalis, oil, dust & direct rays of sun.
- Please set safe protection at the double circuit when using at expensive appliances (Freezer, Heater and motor).



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