◆ Precautionary statement ◆

Please observe safety precautions fully.

1）Electrical rating and Switching cycles of Bimetal Thermostat must be used within a certain range of clause 3.1 and 4.7.

Regarding lead wire type, the recommended size or larger is required.

Current Rating(Resistance load)	Cable Conductor	UL Wire
3 A or less	0.3 mm^2	AWG 22
5 A or less	0.5 mm^2	AWG 20
7 A or less	0.75 mm^2	AWG 18
Over 7A, 15 A or less	1.25 mm^2	AWG 16
Over 15 A, 22 A or less	2.0 mm^2	AWG 14
Over 22 A, 29 A or less	3.5 mm^2	AWG 12
Over 29 A, 45 A or less	5.5 mm^2	AWG 10

◇Above information is only in case with resistance load.

The case of inductive load (e.g. lamp, motor, relay, etc.), You need to confirm lifecycles by yourself. If you use receptacle terminal, please consider self-heating due to current and set temperature less than upper temperature limit. If it is exceeded more than it it might cause looseness on connection and abnormal heating lead burning out.

2) The operation temperature is measured in the condition of rate of change of predefined temperature (Temperature RC) in our thermostatic chamber or liquid circulation system.

Therefore, you need to select the operating temperature that fit in your condition uses.

We recommend doing the test with usual and abnormal state that you could suppose.

3) Thermostat should be used at less than their highest ambient temperature in any case of use and production. (Please store it at －10℃～70℃, less than 85%RH)

4) Some parts of bimetal thermostat (e.g. disc) are easy to be oxidized. We recommend you to keep away the thermostat except waterproof type from any cause of corrosion (e.g. water, liquid).

5) Insulation performance might be dropped if thermostat is used in polluted condition (e.g. dust, moisture, flux, and etc). You need to evaluate insulation performance on your using condition by yourself.

6) You need to refrain from using bimetal thermostat in condition of Silicon gas atmosphere to avoid conduction failure on their contacts. Please kindly do not use or store the thermostat at harmful atmosphere that cause contacts parts of thermostat to corrode.

7) Bimetal thermostat is precision control equipment and subject to get damage and change their function by external impact, vibration, magnetic force and others. Customers are advised to handle thermostat carefully to avoid any damage from impact when installing and especially avoid bending their connecting terminals.

Customers are advised to keep strict adherence to above rules. NGT is not liable for any damage caused by a failure to adhere to these precautions.