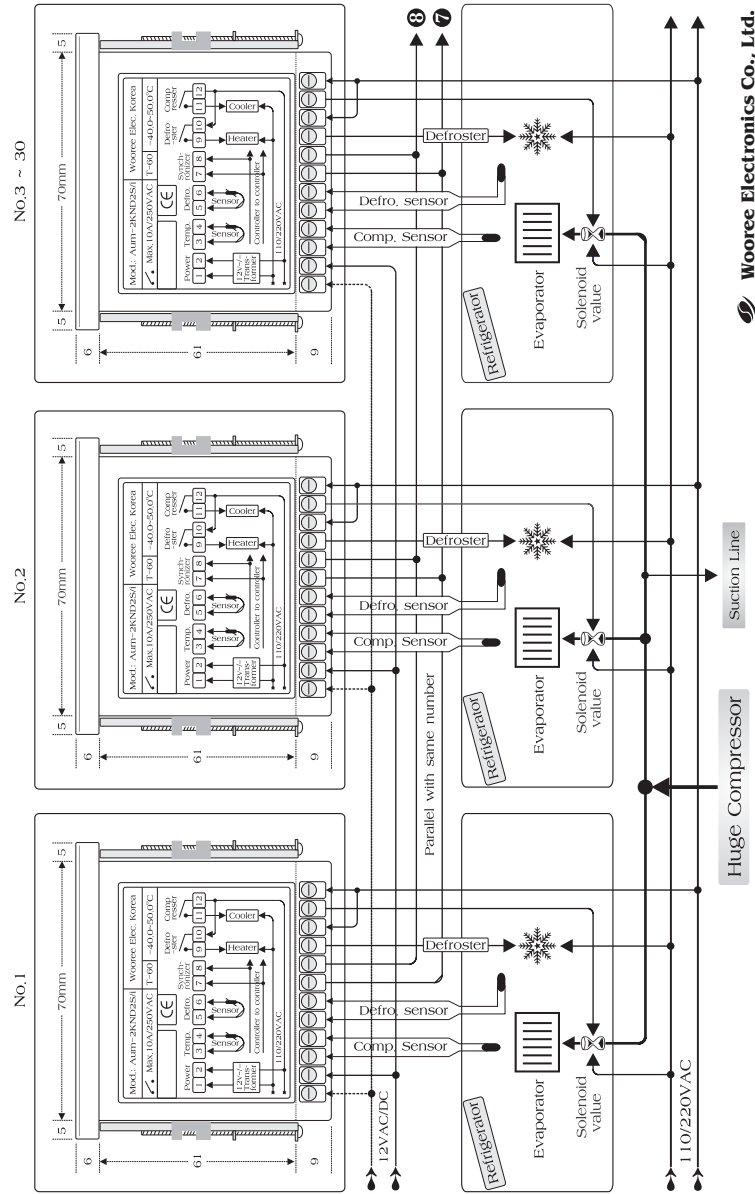


# Model : Aum-2KND2S/Si Diagram for "Open showcase"



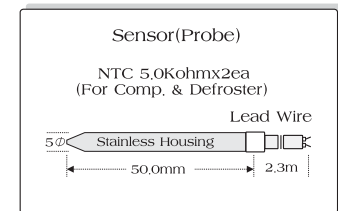
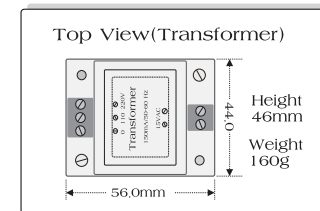
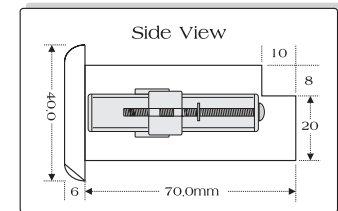
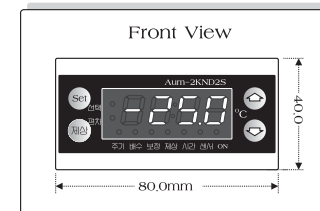
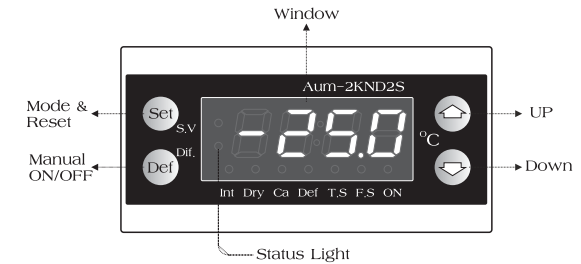
Notice : It should be built for one Huge compressor to operate various cooling units. At that moment, its de-frosting cycle should be operated by each unit and only defrosting stage should start and end simultaneously.

Warning : When you operate solenoid valve and heater, you have to use extra power connector according to its electric capacity.

## --- Operating manual ---

Mod. : Aum-2KND2S

- The distinguishable character of this model particularly suits the "Open Showcase" whose several freezers are usually operated by the **huge** compressor. The unit of this model has been installed perfectly performs all the basic functions of refrigeration, and the defrosting function under the regulation of the temperature. When the compressor is turned on, all the linked freezers based on the parallel connection perform the functions individually. But the initiations and the completions of the defrosting function begin at the same time. Especially it is reliable performance is based on a system of the feed back, Which can compare the selected set values with the resulted value of it's system in order to detect, correct and show the figure up to one decimal place. Hence, the range that can be covered is from **-40.0** to **50.0°C**.



Drilling Template : B,70.0xH,29.0mm+(0.5mm)

### Cautions in use

- Please avoid excessive rising of temperature, humidity and impact.
- Please install 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).

## Mod. : Aum-2KND2S

- 



Adjust the  
Selection  
Value



Set

To be continued  
the next function  
with push again.

- 



Adjust the  
Differential  
Value



Set

- 

 Adjust the Interval for Defrosting

- 
- The diagram illustrates the initial setup step. A hand is shown pressing the 'Set' button on the thermostat. The thermostat screen displays '10' in large digits, indicating the set temperature. The screen also shows 'Aum-2KND25' at the top, 'Set' and 'Def' buttons on the left, and '°C' on the right. At the bottom, there are icons for 'Int', 'Dry', 'Ca', 'Def', 'T.S', 'F.S', and 'ON'.



Adjust the Draining Time



Set

- 



Adjust the Calibration value



Set

- 

 Adjust the temp. For stop to defrost



Set

- 

If the sensor for defroster has been fault, Set the time for stop to defrost.

Adjust the time for stop to defrost.

- 



Adjust the  
ON/OFF  
for Comp.

The digital display shows '88.88' with a small '°C' symbol to the right. Above the display is the model name 'Aurn-2KND2S'. To the left of the display are two buttons labeled 'Set' and 'Def'. To the right are two arrow buttons. Below the display is a row of indicator lights labeled 'Int', 'Dry', 'Ca', 'Def', 'T.S', 'F.S', and 'ON'.

Reference : 1. When the power has been switched off in the process, whatever modes may have been performing, the defrosting cycle always starts to work from the beginning.

- Mod. : Aum-2KND2S

a. Select a function with the "Set" key, and then adjust a required value of direct parameter with the "Up" key or the "Down" one. At last, the "Set" key must be pressed to finalize the new set value that has just been set by the "Up" key or the "Down" one.

- |    |   |      |            |        |    |       |                     |
|----|---|------|------------|--------|----|-------|---------------------|
| 2. | ② | Dif. | (0.0~12.7) | (1.0 ) | °C | S. V. | Dif. : Differential |
|----|---|------|------------|--------|----|-------|---------------------|

b. At least  $0.3^{\circ}\text{C}$  is recommended to protect a mechanical system from an excessive operation.

a. Press the "Set" key and the "Def" key at the same time. Then check whether the light of an interval has been turned on.

- Set the interval values of a defrosting interval with the "Up" key or the "Down" one.
- Set the zero(n-no) as a value of a defrosting interval in case a defrosting mode is a manual.

a. The purpose of this function is to get rid of the droplets of water, which tends to remain in the evaporating sector

- b. Right after the draining time ran out, the compressor will keep to a position from which it's function is automatically carried out as per a waiting mode until the final freezers have completed the draining time.

a. The purpose of this function is to correct the differences of present temperature that happens when the led wire of

- b. The extended sensor requires being installed in a long distance, keep it away from a generator or an electrical noise.

- a. Set a predetermined value of the temperature to rule the completion of a defrosting function that is related to a sensor

- b. The defrosting function is performing based on the defrosting interval. Meanwhile, it reaches the predetermined value of a defrosting completion, which means that its function is to be completed.

a. When the led wire of a sensor for a defrosting function has been disconnected the mode of a temperature control in

- terms of a defrosting completion turns automatically into the mode of a time control upon the defrosting completion. Thereafter, the defrosting function fulfills its role according to the set values of time.

a. When the led wire of a sensor for the compressor has been disconnected, the light of a fault is lit and immediately the

- b. Meanwhile, the compressor keeps on working, regardless of changes of temperature, and also the defrosting function

a. The light is lit while the compressor is performing

- a. The light is lit while the compressor is performing.