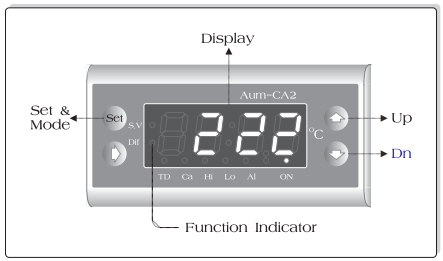
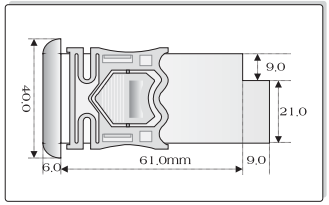
Manual for dimensions & functions

CE ISO INNOBIZ

Mod. : Aum-CA2





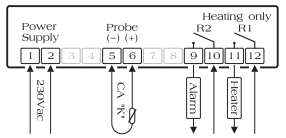
Sensor(Probe)

"CA" K type Option

*. Color : White

*. Drilling Template : B.:70.5xH.:30.0xD.:70.0mm

Fig. 01



Please be sure to read and fully understand the notices before using it.

Model "**Aum-CA2**" is only for heating(**Max.1200°C**). If high and low alarms are set, the range of the selection value of temperature is restricted. When it exceeds the value, it can be checked with alarm signal.

a. When **230Vac** power supply and a sensor are connected to it, the temperature detected on the sensor will be displayed on the display.

b. Whenever "Set" key is pressed, the next function will be chosen. However, to set mode 3. **T**ime **D**elay, press "**Set**" key and "▶" key together.

c. After selecting a function by "**Set**" key, set the desired value with "**Set**" key and complete the setting by pressing "Set" key again. If not, the previous set value will be working continuously.

d. The function indicator will blink while amending values by pressing "▲/▼" key. If **20** seconds pass after pressing "▲/▼" key, it will return to present temperature mode automatically.

e.. If pressing "▲/▼" key repeatedly, the set value will be changed quickly.
If pressing "▲/▼" key one by one, the set value will be changed one by one.

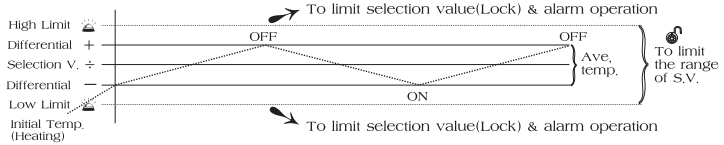
Method of program loading

Mod. : Aum-CA2

No.1 : Selection V(**SV**) Range : **0~1200°C** Apply : Heater	a. After confirming selection value by "**Set**" Key, set a desired value with "▲/▼" key. b. The range of setting is **0** <Selection Value+Dif. Value+Ca.<**1200°C.**	
No.2 : Differential V(**Dif**) Range : **1 ~ 50°C** Apply : ± Selection Value	a. The working range of a differential simultaneously applies to both set values, which can be sum up with by this way of (**SV**)±(**Dif**). **For example** : Selection value is **250**, differential value is **10,** the working range of a differential is **240~260°C.**	
No.3 : Time Delay(**TD**) Range : **0~15:00min.** Apply : Heater	a. The set value of "**Time Delay**" starts immediately to be counted up from moment as soon as the relay stops working. And then, no function works during the period until the set value of **T**ime **D**elay is running out. b. The function is selected by pressing "**Set**+▶" key at the same time.	
No.4 : Calibration(**Ca**) Range : +/- **50°C** Apply : +/- Present Temp.	a. Its purpose is to correct the differences of present temperature that happens when the lead wire of a sensor for the temperature has been extended considerably. b. The extended line(**Shield Wire**) is required being installed in a long distance and keep it away from a generator of an electrical noise.	
No.5 : High Alarm(**Hi**) Range : **SV ~ 1200°C** Apply : Alarm, Lock	a. If present temperature exceeds the high limit, **No.2** Relay for alarm will work and the alarm lamp will turn on the display window. b. "**S**election **V**alue" of mode is restricted less then the set highest limit(Lock function).	
No.6 : Low Alarm(**Lo**) Range : **0 ~ SV.** Apply : Alarm, Lock	a. If present temperature exceeds the low limit, **No.2** Relay for alarm will work and the alarm lamp will turn on the display window. b. "**S**election **V**alue" of mode is restricted less then the set lowest limit(Lock function).	
No.7 : Signal Sound Range : **AL:AL / AL:FL** Apply : Alarm signal	a. There are two alarm signals, alert(continueously) and flick(Short). b. After selecting **AL:FL** by pressing "▲" key and **AL:AL** by pressing "▼" key, complete the setting by pressing "**Set**" key.	

*. All specifications are subject to change without notice.

Heating Process



Notice : 1. Please turn on the power after completing connection.

Cautions in use

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