

XT□ -7000 TEMPERATURE CONTROLLER

INSTRUCTION MANUAL

Thank you for purchasing this GONGBAO product, This manual primarily describes precautions required in installing and wiring the temperature controller. Before operating the product, read this manual thoroughly to acquire sufficient knowledge of the product, Keep this manual close at hand and use for reference during operation.

PRODUCT CHARACTERISTIC

Accuracy: $\pm 1.0\% \pm 1$ digit Temperature effect: $0.5\% / ^\circ\text{C}$

Control method: PID or ON/OFF

Output method: Relay type: Resistive load 5A240V AC

Drive SSR type: volt>15V Current>15Ma

Drive triac type: V0>3V T0>40us

Current type: 0~10mA or 4~20mA

Power supply: AC220V $\pm 10\%$ 50/60HZ Power consumption: 4VA max.

Operating temperature: 0 to 50 $^\circ\text{C}$ Storage temperature: -25 to 65 $^\circ\text{C}$

Operating ambient humidity: 35 to 85% RH (non-Condensing)

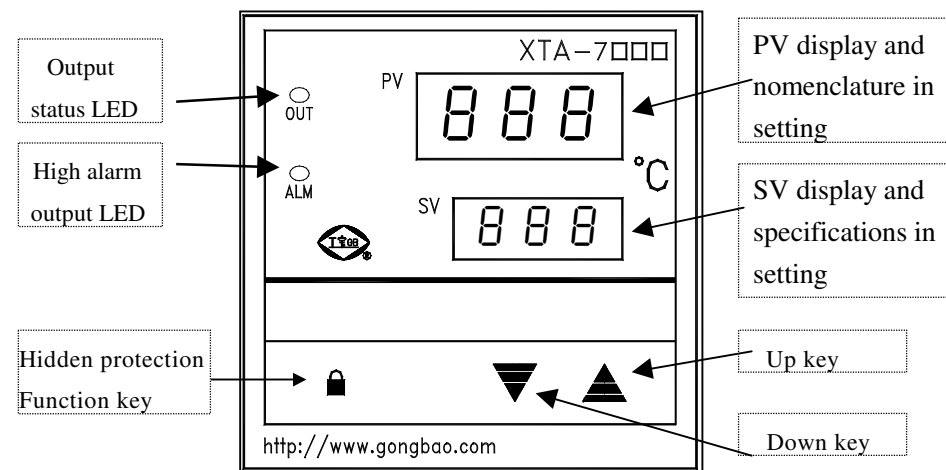
Dimensions and panel cutout

	XT-7000	XTS-7000	XTA-7000	XTD-7000	XTE-7000	XTF-7000	XTG-7000
DIMENSIONS	160x80	80x160	96x96	72x72	48x96	96x48	48x48
CUTOUT	152x76	76x152	96x96	66x66	45x92	92x45	45x45

Display symbol in windows and function

Symbol	Setting function	Setting range	Factory-set condition
S [input shift value	-20~20 $^\circ\text{C}$	0 $^\circ\text{C}$ or 0.0 $^\circ\text{C}$
AH	alarm temperature	whole span	higher limit
[[Switching differential I	2-20 $^\circ\text{C}$	0.2 $^\circ\text{C}$ or 2 $^\circ\text{C}$
S U	control temperature II	whole span	higher limit
[C	Switching differential II	2-20 $^\circ\text{C}$	0.2 $^\circ\text{C}$ or 2 $^\circ\text{C}$
P	proportion band	0-40%	5%
I	integral time	0-999 seconds	210 seconds
d	derivative time	0-999 seconds	30 seconds
L [protection switch	on/off	on

Nomenclature and setting method



control temperature setting: up key increases selected digit values; down key decreases selected digit values.

Note: LL underflow range Self-diagnostic

HH overflow range Self-diagnostic

CONNECTIONS

Set data lock function: press "Hidden protection Function key" about 3 seconds, if "PV" windows is display "L [", press "Down key" or "Up key", SV windows is display "on/off", set change enable/disable.

Setting specific point display: press "Hidden protection Function key" if "PV" windows is display "S [", press "Down key" or "Up key", SV windows is display the needed for specific point measurement.

Note: the '0' display on the "PV" Display windows widow indicates stare itinerant value.

Control temperature setting: "up key" increases selected digit values; down key decreases selected digit values.

If "PV" windows is display "[C" or "P", "I", "d", same "S [" press "Down key" or "Up key".

YUYAO TEMPERATURE INSTRUMENT FACTORY CO., LTD

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