

5-6

Digital Temp. controller GTC Series



GTC 99



GTC 77



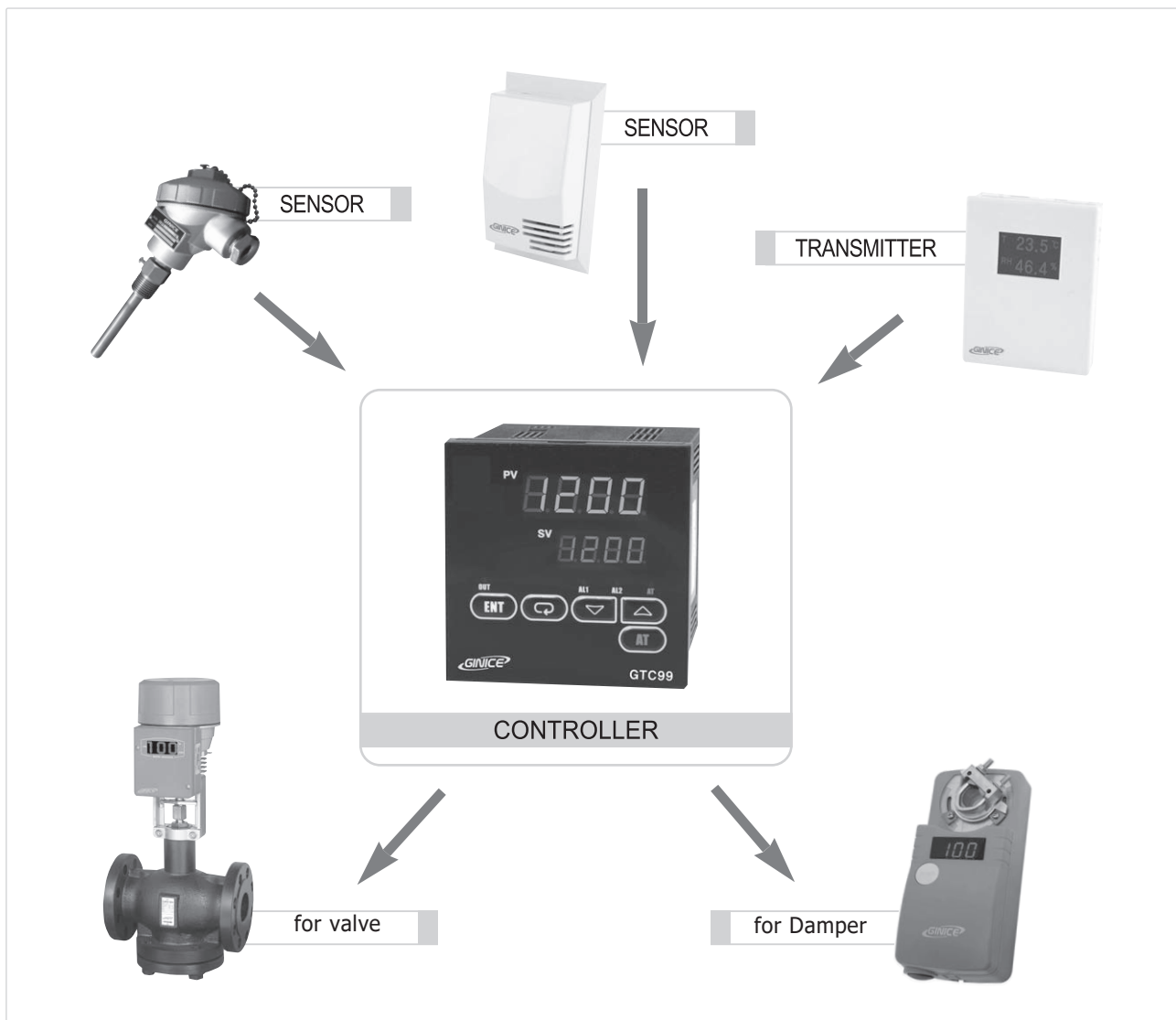
GTC 94



GTC 49



GTC 44



Products



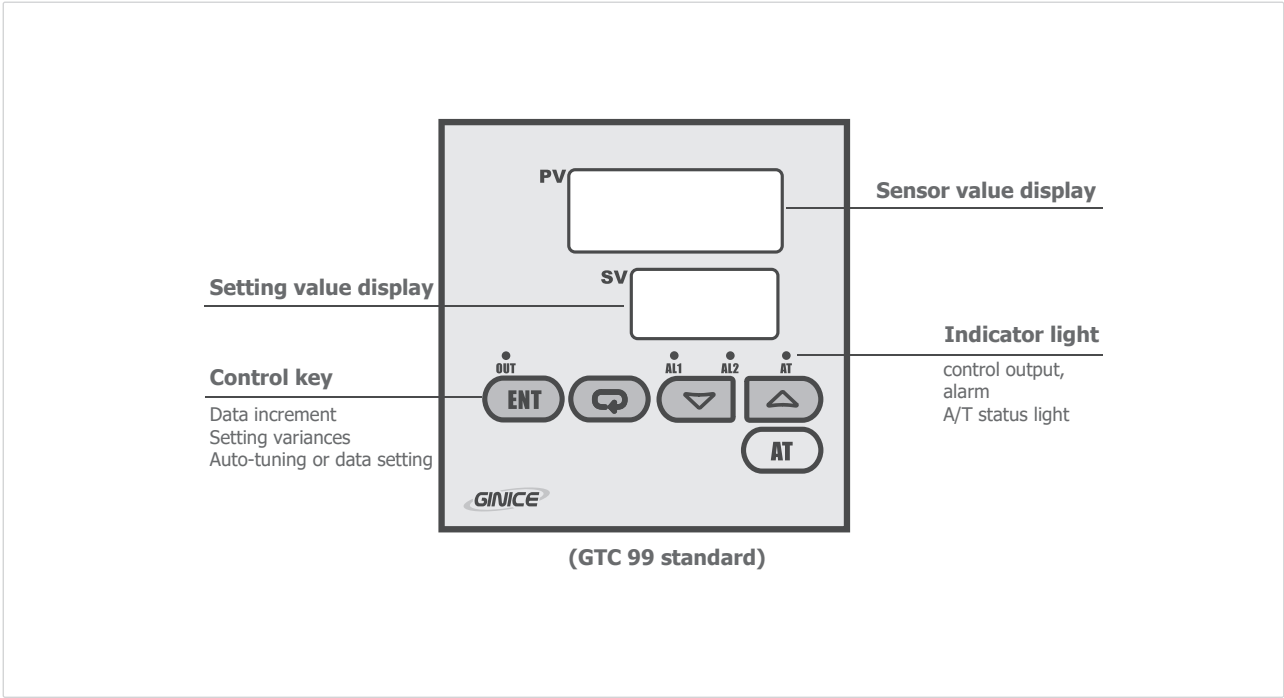
Specification

Accuracy	Thermocouple	$\pm 0.3\% + 1 \text{ digit or } 3^{\circ}\text{C}$	Except R.S.B.C Thermocouples under 450°C
	RTD. DC. Volt	$\pm 0.2\% + 1 \text{ digit}$	
Input Signal	K.J.E.N.C.T.R.S.B.JPt100Ω.Pt100Ω.1~5VDC.4~20mA(250Ω resistance connection)		Input Multi
Control Output	Relay Contact (250V 3A, R), 4~20mA (600Ω max), SSR (20Vdc 20mA), 0~10Vdc Switchable		Output Selection
Control	PID, P, ON - OFF		Each Heat / Cool Mode
Control Period	1 ~ 60 sec.		
Scan Time	0.16 sec.		
Power	100~240V ac. 50/60Hz. 0.1A max.		
Operating Condition	Temperature 0~50°C Humidity 35~85% RH		No dew - condensation
Dimension / Panel Cutout (mm)	GTC 99 : 91(W) X 91(H) GTC 77 : 68(W) X 68(H) GTC 94 : 91(W) X 45(H) GTC 49 : 45(W) X 91(H) GTC 44 : 45(W) X 45(H)		

Ordering Information

Model	GTC 99	96 (W) X 96 (H) X 100 (D) mm		
	GTC 77	72 (W) X 72 (H) X 100 (D) mm		
	GTC 94	96 (W) X 48 (H) X 100 (D) mm		
	GTC 49	48 (W) X 96 (H) X 100 (D) mm		
	GTC 44	48 (W) X 48 (H) X 100 (D) mm		
Control Output		-1	Output Signal (4~20mA) 전류	
		-2	Output Signal (0~10Vdc) 전압	
		-3	SSR Output (Vdc Pulse)	
		-4	Relay Output (ON-OFF)	
Alarm Output		including	ALM. (1Point) - 250V/3A	GTC 44 Only
		including	ALM. (2Point) - 250V/3A	GTC 99, 77, 49, 94
Option			-R	(Retransmission) 4~20mA
			-C	RS 485 communications

The Name And Function Of Each Part



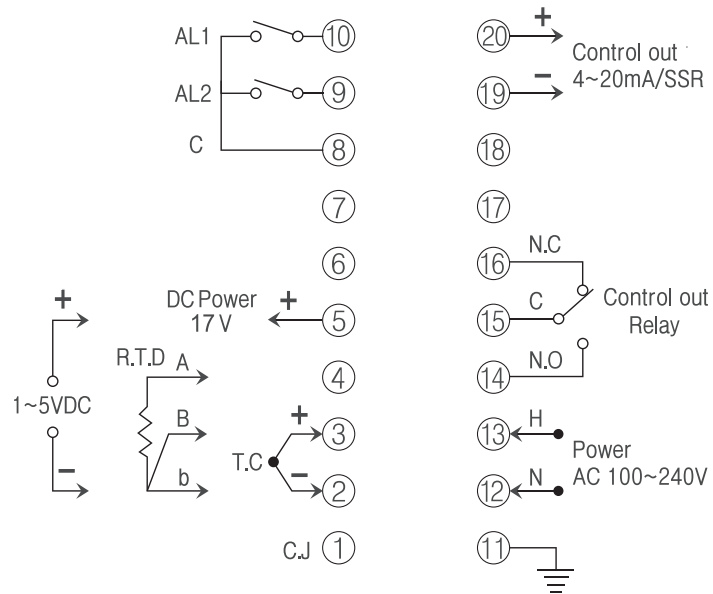
	Key	Function
①	ENT	1. setting the changed parameters 2. ON/OFF of timer
②		Choose parameters(MODE)
③		Key to change setting value Data selection of each setting mode
④	AT	Auto-Tuning

※ Auto-Tuning of GTC 44, GTC 94 without using the key""

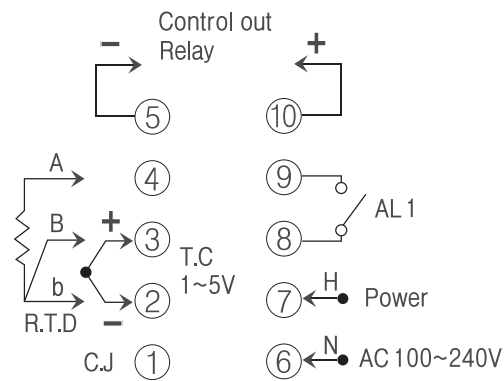
Wiring Diagram

▶ GTC 99, GTC 49, GTC 94

- Ret. Out 4~20mA
- RS485 (Option)

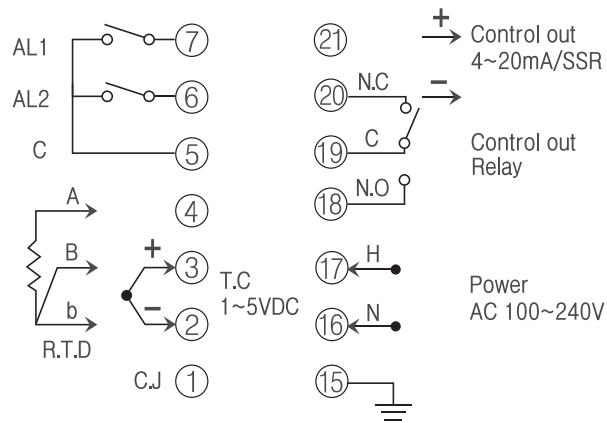


▶ GTC 44



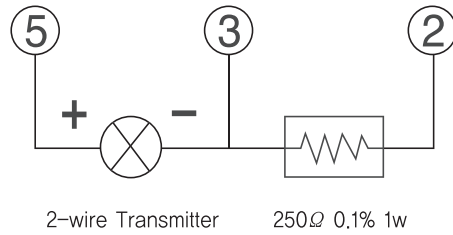
▶ GTC 77

- Ret. Out 4~20mA
- SV2
- RS485 (Option)



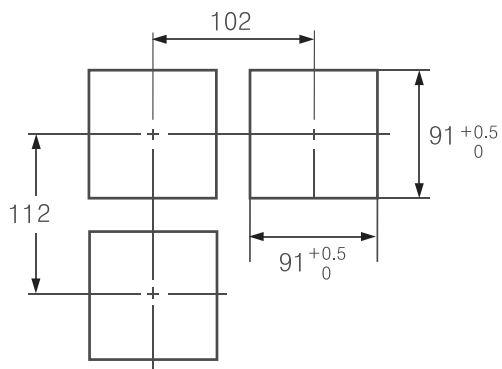
The Power Supply For Sensor

Available with 2-wire transmitter(sensor) without extra DC Power. Refer to the following photo.
(GTC 99, 49, 94)

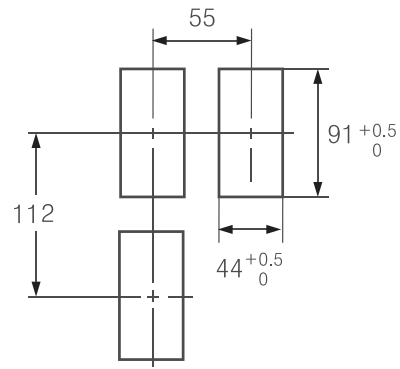


※ Note
No 2-wire transmitter power supply(DC17V)
in GTC 77, GTC 44

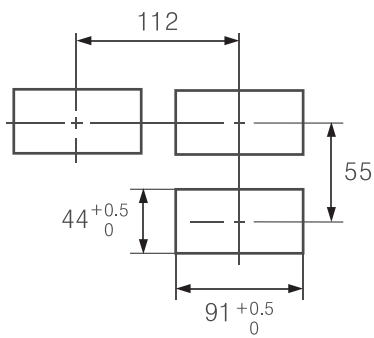
Panel Cut-out Dimension



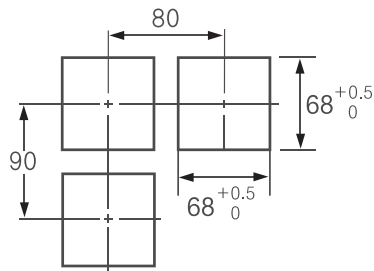
GTC 99



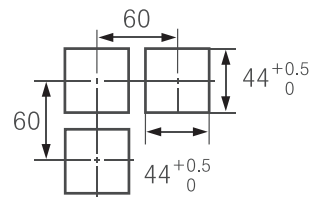
GTC 49



GTC 94



GTC 77



GTC 44