

TC Series

בקר טמפרטורה PID

תכונות הבקר

- בקרה בעזרת פיתוח PID אלגוריתם חדש ומהירות דגימה מהירה של 100ms.
- יציאות ממסר ו-SSRP משולבות ביחד.
- יציאת ה-SSRP הינה בעלת אפשרות של Phase Control ו-Cycle Control.
- תצוגה רחבה.
- קטן מימדים.
- מציג יחס חלוקה SV/PV.



הזמנת מוצר

T	C	4	S	—	1	4	R
							יציאת בקרה
							מתח רגילה
							יציאת התראה
							(*) 1
							(*) 2
							גודל
							מספר ספרות
							סוג כיוול
							פריט
							N Indicator – Without control output
							R Relay output+SSRP output
							4 100–240VAC 50/60Hz
							N No alarm output
							1 Alarm1 output
							(*) 1 2 Alarm1 output+Alarm2 output
							S DIN W48×H48mm(Terminal block type)
							(*) 2 SP DIN W48×H48mm(Plug type)
							Y DIN W72×H36mm
							M DIN W72×H72mm
							H DIN W48×H96mm
							W DIN W96×H48mm
							L DIN W96×H96mm
							4 4Digit
							C Set by touch switch
							T Temperature controller

(*) 1 It is unavailable for TC4SP, TC4Y.

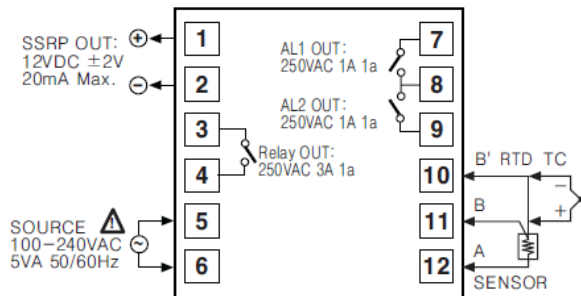
(*) 2 TC4SP sockets (PG-11, PS-11) are sold separately.

Series		TC4S	TC4SP	TC4Y	TC4M	TC4H	TC4W	TC4L
Hysteresis		1 ~ 100°C (KCA,JIC,PT1) / 0.1 ~ 50.0°C (PT2)						
Proportional band		0.1 ~ 999.9°C						
Integral time(I)		9999sec.						
Derivative time(D)		9999sec.						
Control period		0.5 ~ 120.0sec.						
Manual reset		0.0 ~ 100.0%						
Sampling period		100ms						
Dielectric strength		2000VAC 50/60Hz for 1min.(Between input terminal and power terminal)						
Vibration		0.75mm amplitude at frequency of 5~55Hz in each X, Y, Z directions for 2 hours						
Relay life cycle	Mechanical	Mechanical : Min. 10,000,000 operations, Electrical : Min. 100,000 operations(250VAC 3A resistive load)						
	Electrical	Mechanical : Min. 10,000,000 operations, Electrical : Min. 300,000 operations(250VAC 1A resistive load)						
Insulation resistance		Min. 100MΩ (at 500VDC mega)						
Noise		Square shaped noise by noise simulator (pulse width 1μs) ±2kV R-phase and S-phase						
Memory retention		Approx. 10 years (When using non-volatile semiconductor memory type)						
Ambient temperature		-10 ~ 50°C (at non-freezing status)						
Storage temperature		-20 ~ 60°C (at non-freezing status)						
Ambient humidity		35 ~ 85%RH						
Unit weight		Approx. 97g	Approx. 84g	Approx. 127g	Approx. 127g	Approx. 118g	Approx. 118g	Approx. 172g
Approval								

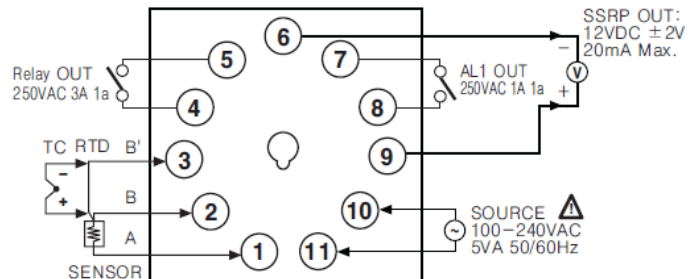
TC Series

※ TC4 series has both Main Out and SSR Out. You may select the model as your needs.

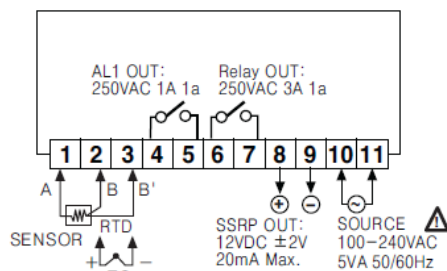
●TC4S



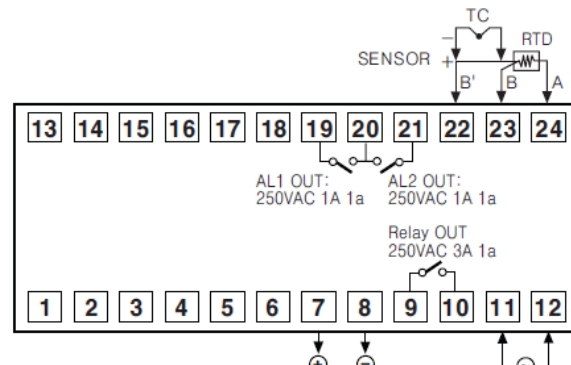
●TC4SP



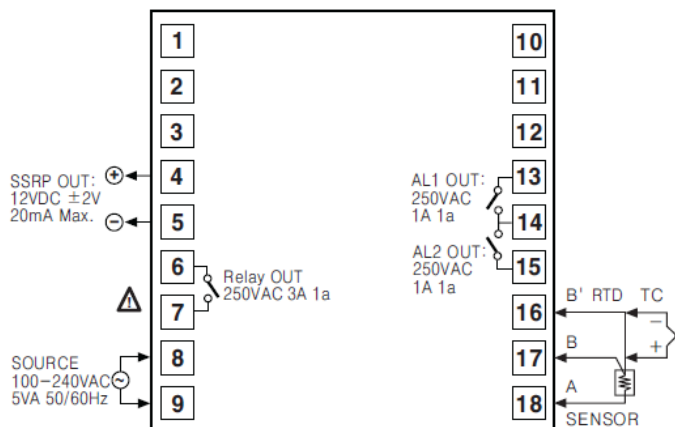
●TC4Y



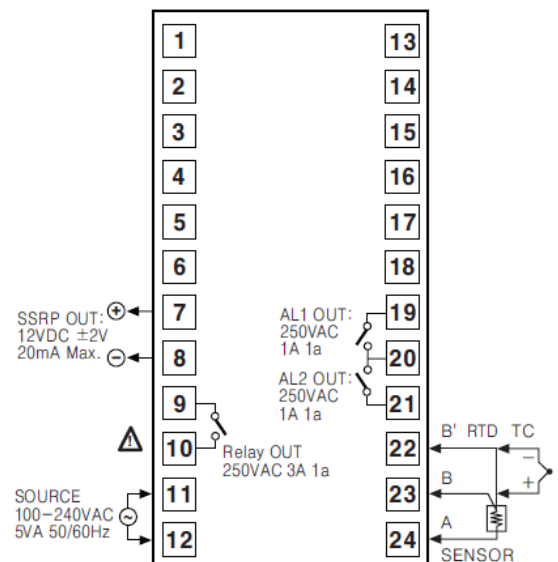
●TC4W



●TC4M



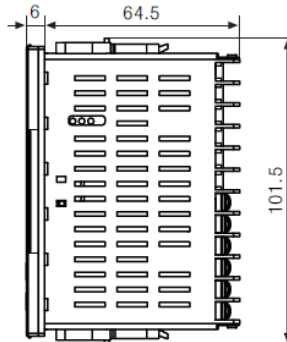
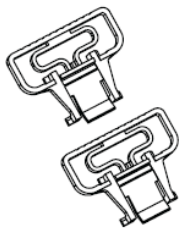
●TC4H/L



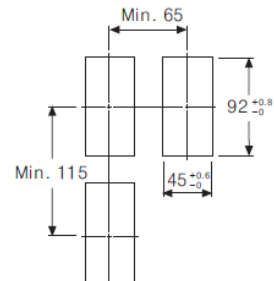
מימדים

●TC4H

●Bracket



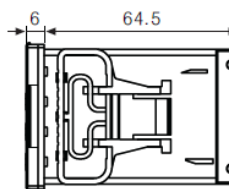
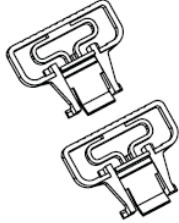
●Panel cut-out



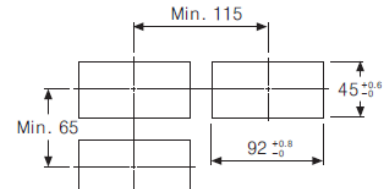
(Unit:mm)

●TC4W

●Bracket



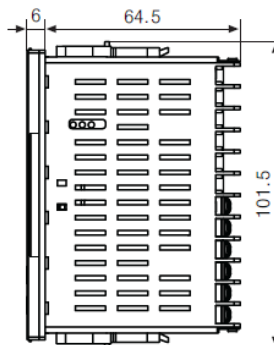
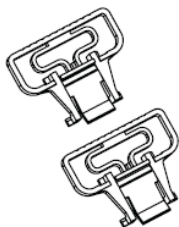
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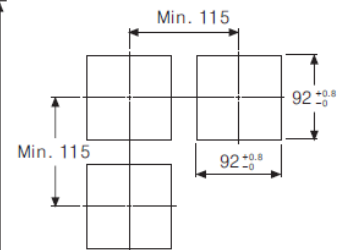
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●TC4L

●Bracket



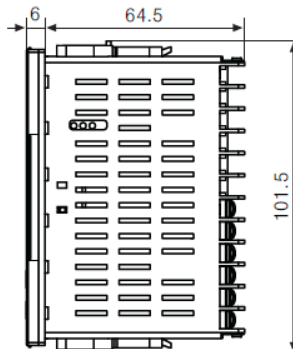
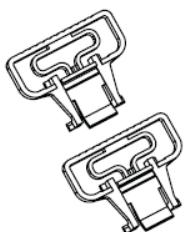
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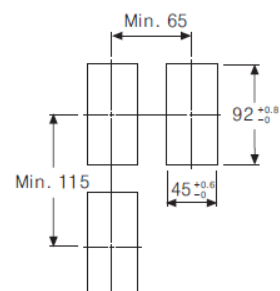
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●TC4H

●Bracket



●Panel cut-out

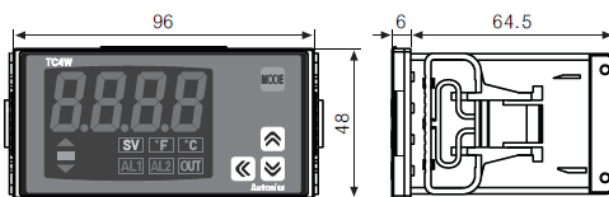
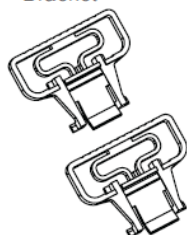


(Unit:mm)

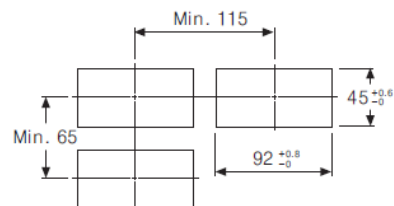
TC Series

●TC4W

●Bracket



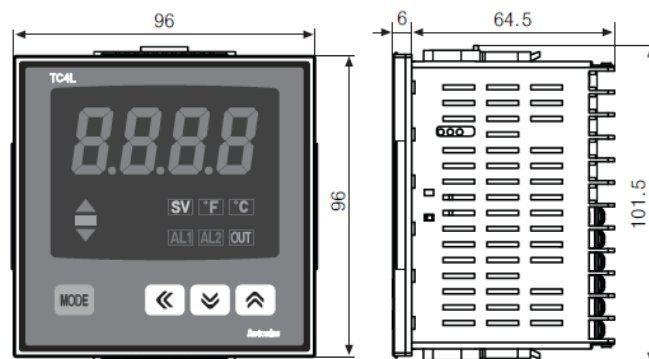
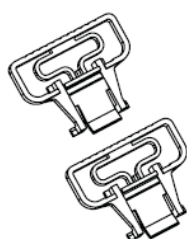
●Panel cut-out



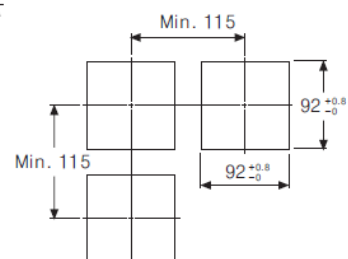
(Unit:mm)

●TC4L

●Bracket



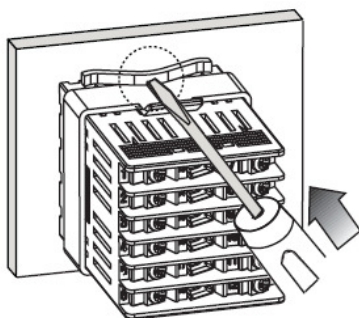
●Panel cut-out



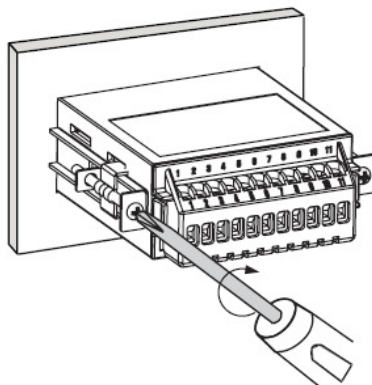
(Unit:mm)

התקנה

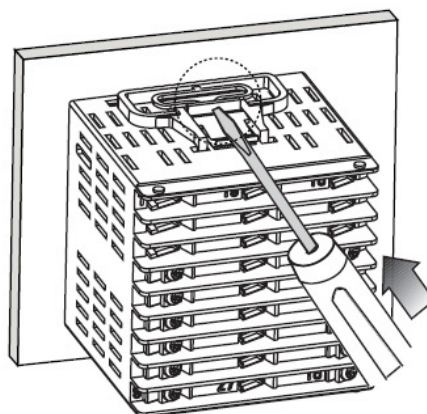
●TC4S/SP(48×48mm) series



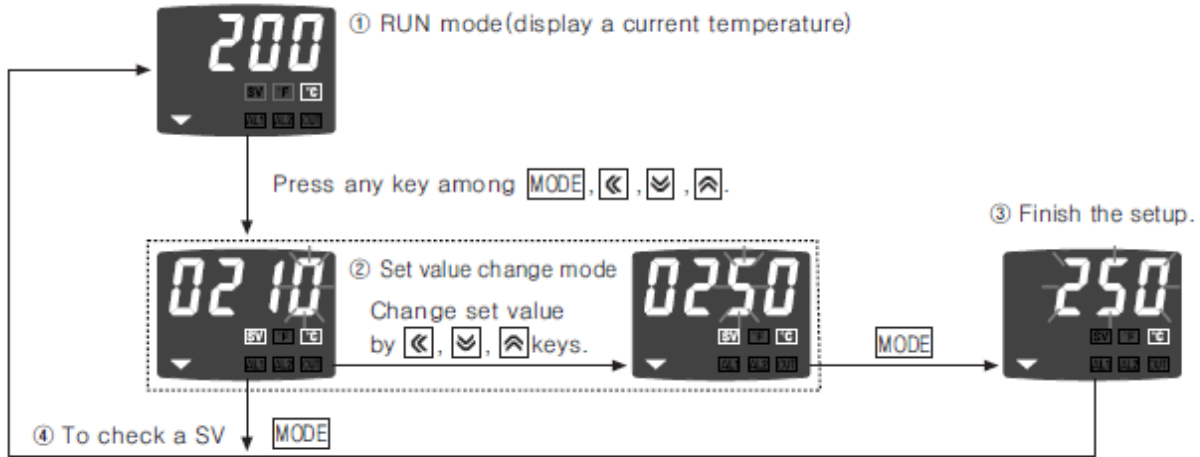
●TC4Y(72×36mm) series

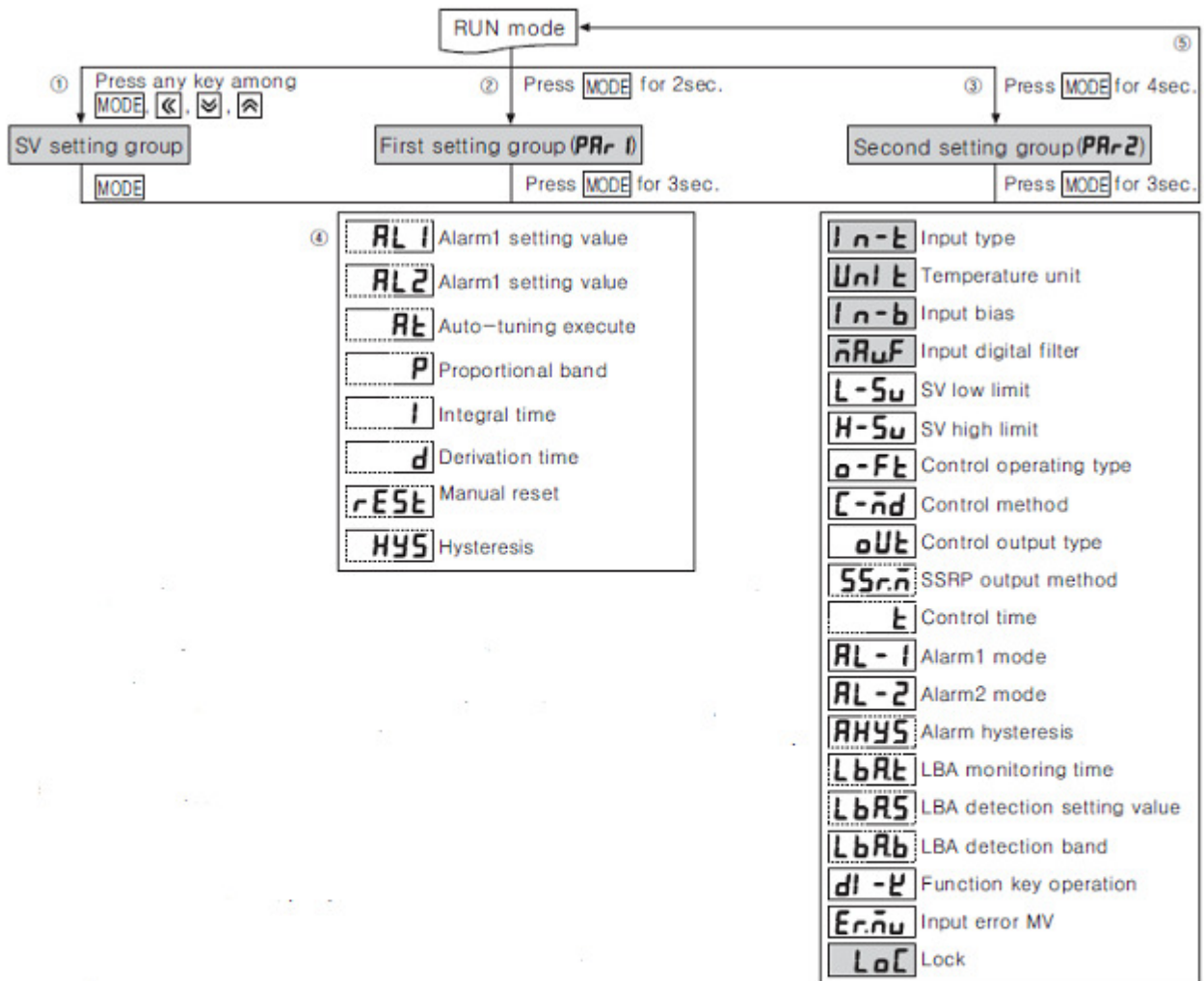


●Other series

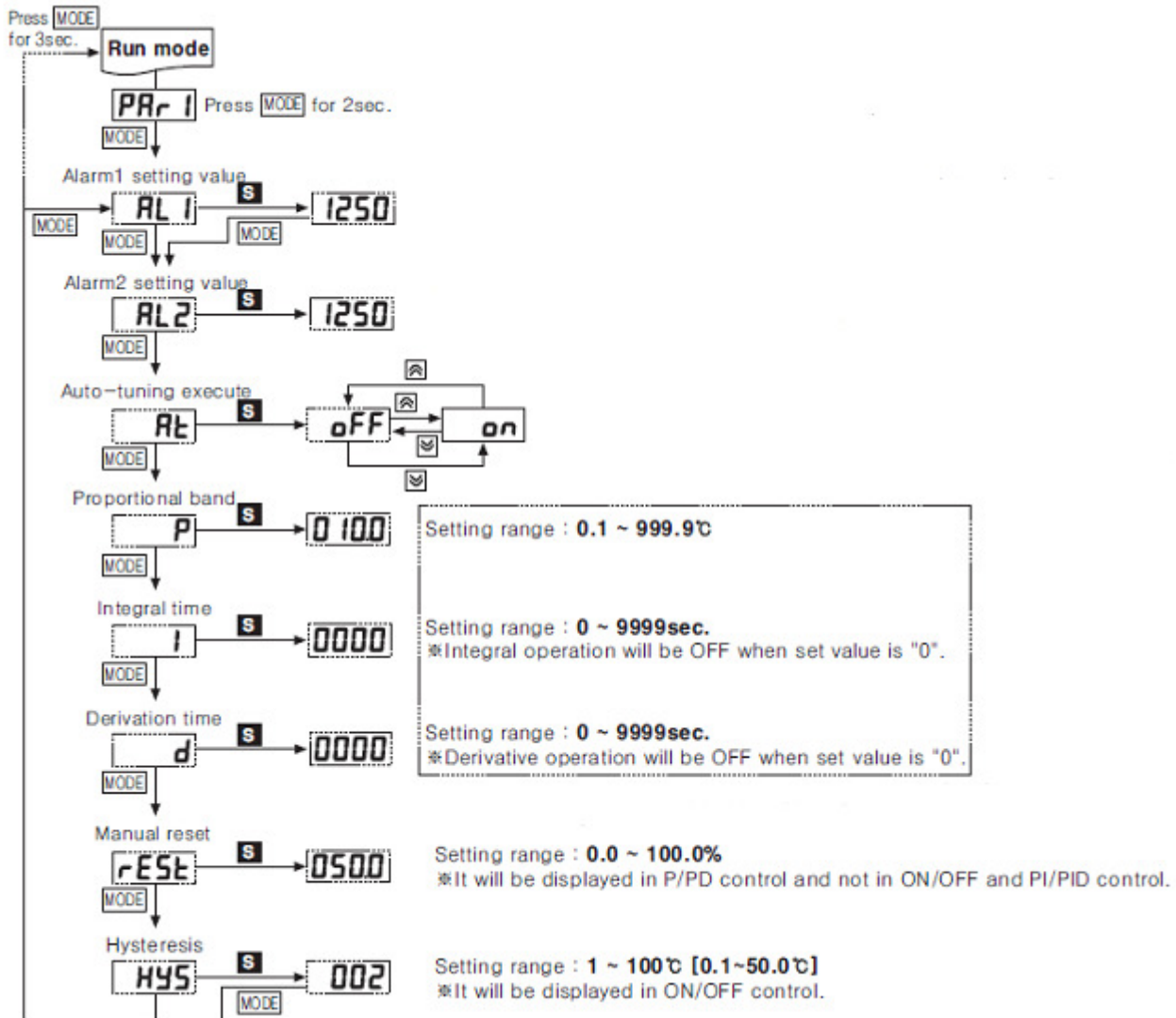


□ הכנסת ערך טמפרטורה רצויה (SV(Set Value)).

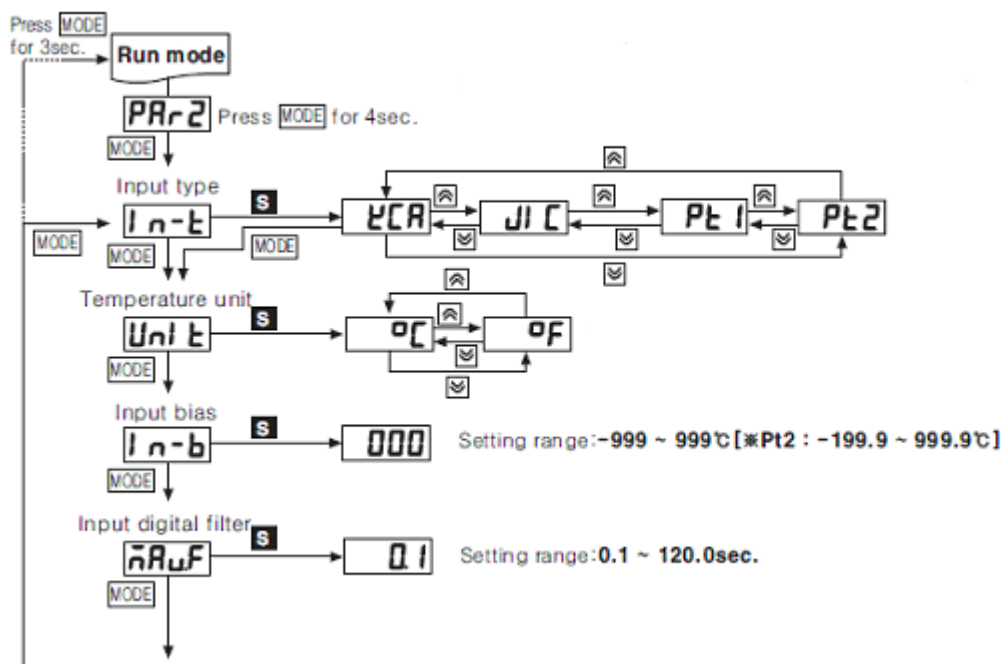


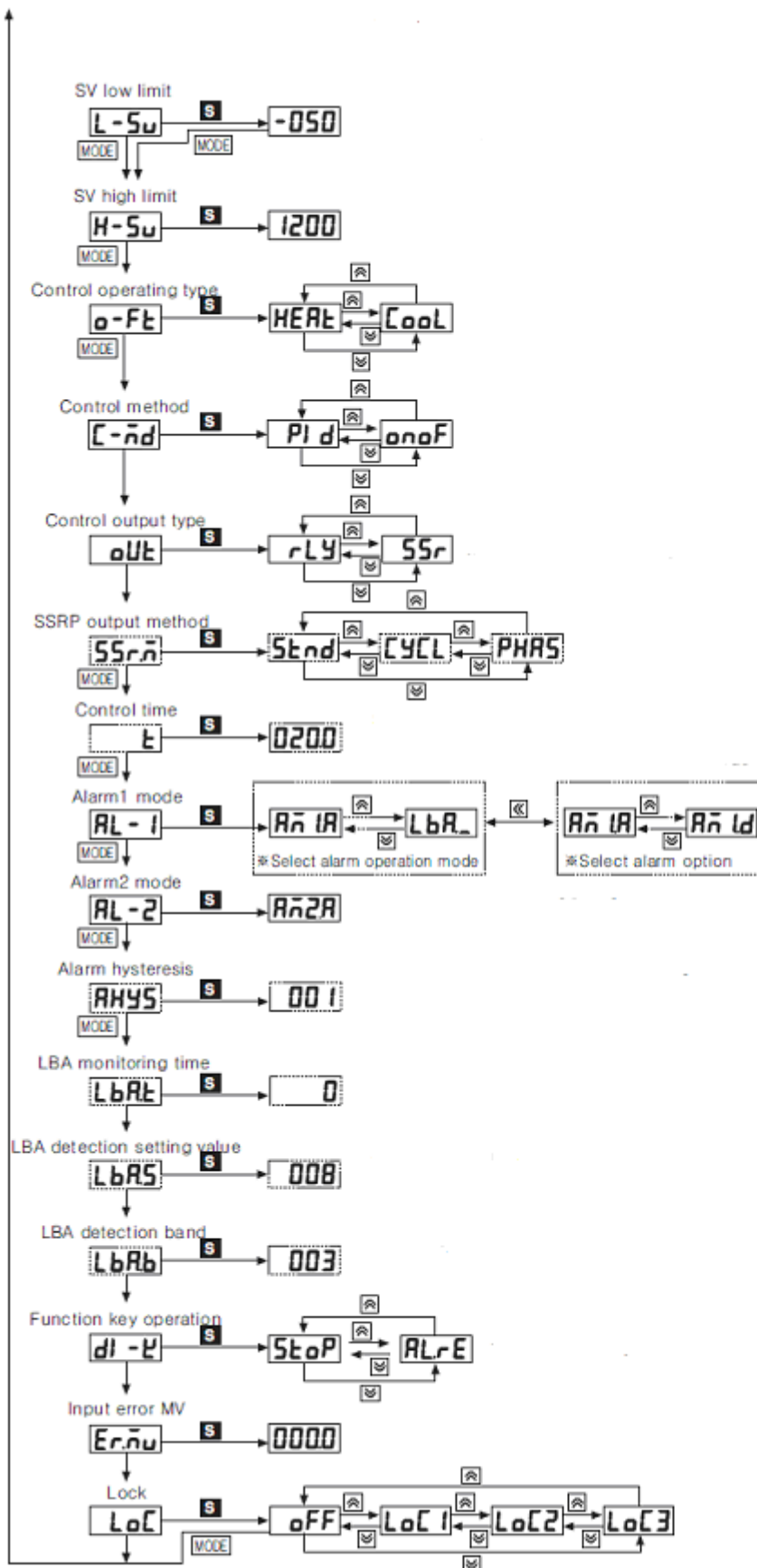


קבוצת פרמטרים 1 נקודת עבודה והתראות



קבוצת פרמטרים 2





TC Series

סוגי חיישנים וטווחי מדידה

●Select proper input sensor type by user application.

Input sensor			Display	Input range °C	Input range °F
ThermoCouple	K (CA)		°C	-50 ~ 1200°C	-58 ~ 2192°F
	J (IC)		°C	-30 ~ 500°C	-22 ~ 932°F
RTD	DIN rated	Pt 1	Pt 1	-100 ~ 400°C	-148 ~ 752°F
		Pt 2	Pt 2	-100.0 ~ 400.0°C	-148.0 ~ 752.0°F

הגדרות מפעל

●First setting group

Mode	Setting value	Mode	Setting value	Mode	Setting value	Mode	Setting value
AL1	1250	AL	OFF	I	0	RES	500
AL2	1250	P	100	d	0	HYS	2

●Second setting group

Mode	Setting value	Mode	Setting value	Mode	Setting value	Mode	Setting value	Mode	Setting value
Unit	°C	L-Su	-50	oUt	rLY	AL-2	AN2A	LbAb	3
Unit	°C	H-Su	1200	SSrñ	Stnd	HHYS	1	dl -E	StoP
Unit	0	o-Ft	HEAt	t	200	LbAt	0	Erñu	00
ñAwF	0.1	C-ñd	PI d	AL - 1	AN 1A	LbAS	8	LoC	oFF