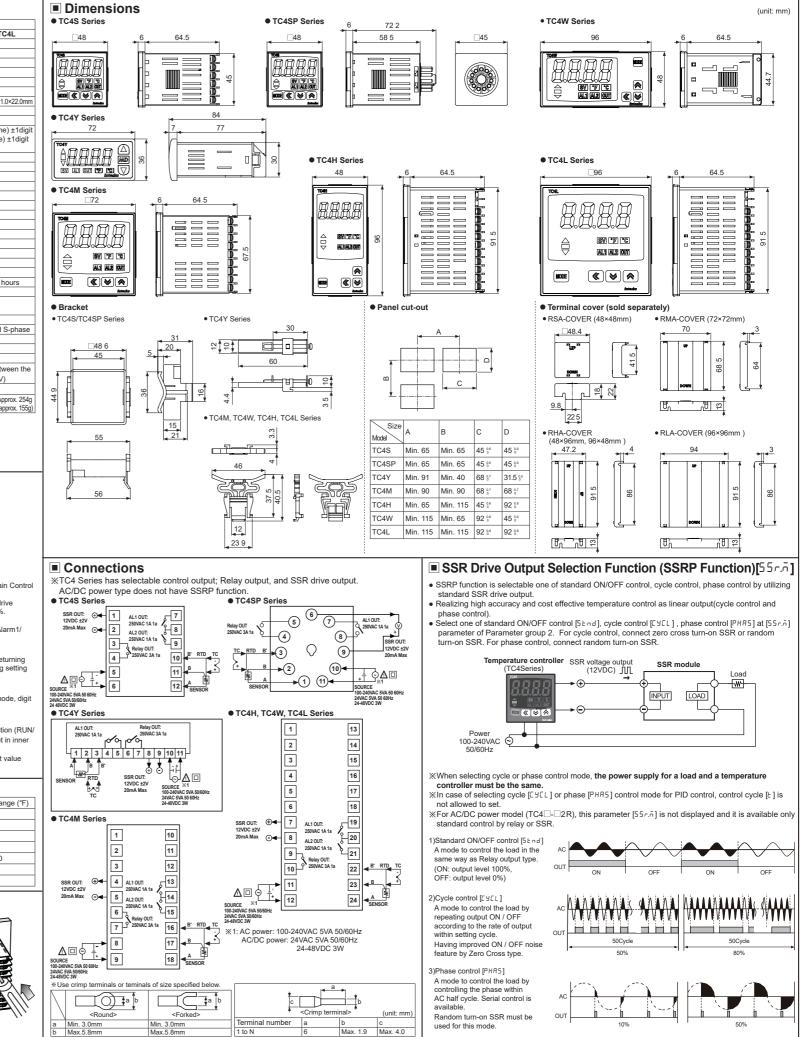


es		eries					
ver AC pow	TC4S	TC4SP 0VAC~ 50/60H;	TC4Y	TC4M	TC4W	TC4H	TC4L
ply AC/DC I	Power 24VAC	$\sim$ 50/60Hz, 24-4	48VDC=				
er AC po		10% of rated vol VA (100-240VAC		)			
umption AC/DC	Power Max. 5	VA (24VAC 50/6	)Hz), Max	. 3W (24-48			
play method racter size (W>		ent (Red), Other		Green, Yellov nm 9.5×20.0n			nm 11 0x22 0
RTD	DPt100	Ω, Cu50Ω (Allo					1111 11.0.22.0
TC		, J (IC), L (IC) m temperature (	2200+500	). (D)/ ±0.5%	or ±1°C or	loct the high	or ono) +1d
ay RTD		f room temperature (					
trol Relay		TC4SP, add ±1° C~ 3A 1a	C by accu	racy standa	rd.		
out SSR	12VDC	= ± 2V 20mA N					
m output trol method		2 Relay: 250VA F and P, PI, PD,			TC4Y have	AL1 only.)	
eresis		0°C/°F (0.1 to 50					
ortional band ral time (I)	P) 0.1 to 9 0 to 99	999.9°C/°F					
vative time (D)	0 to 99	99 sec.					
trol period (T) ual reset	0 5 to 1 0 0 to 1	20.0 sec.					
pling period	100ms						
ctric AC pow gth AC/DC		AC 50/60Hz for AC 50/60Hz for					
ion	0.75mr	n amplitude at fr	equency o	of 5 to 55Hz	n each X, Y	Z direction	
Mechan	OUT: N	lin. 5,000,000 ope 1in. 200,000 ope					
cycle Electrica	II AL1/2:	Min. 300,000 op	erations (2	250VAC 1A			
ation resistand e immunity		0MΩ (at 500VD -wave noise by r		/	vidth 1uc) -	2K\/ P_phan	and S pho
ory retention	Approx	. 10 years (Whe	n using no				
on Ambient		50°C, Storage: -2		6PH			
, and the second		5%RH, Storage: insulation or rei			rk: 🔲, Diele	ectric strenat	h between t
ation type	measu	ring input part ar					
roval		Sus ERE © 141g Approx. 123g	Approx 17	4a Annroy 20	4a Annrox 10	4g Annroy 10	4g Annroy 2
µht <sup>≈2</sup>	(approx.	94g) (approx. 76g)					
	L (IC) type, R1 erature (23°C	TD Cu50Ω ±5°C): (PV ±0.59	% or +2°C	select the h	iaher one) +	1 digit	
Out of room t	emperature ra	nge: (PV ±0 5%					
		C will be added. ng. The weight i	n parenthe	eses is for ur	nit only.		
vironment resi	stance is rated	at no freezing o	r condens	ation.			
Unit Des	scriptio	n					
TC4S		<b>1</b> 1-					
	000		TC4Y				
3	SV 'F 'C	2-	î				
2	SVIFICI			' -'	'⊣ -	-6 -7	, 8
	AL1 AL2 OUT		⊆▼ 	<b>' _</b> . ALI OUT (F		-6 -7	, 8
6						-6 7	, 8
6	Autories	7	3	5	Autorics		, 8
6	Autores	play ature (PV) display	3 5. Con	5 strol/alarm o	Autorice 4 output indic o ON when o	ator	-
6 — Mote resent tempera RUN mode: Pr Parameter set	Autores	play ture (PV) display ameter or	3 5. Con y. • OL	5 trol/alarm c	4 autput indic o ON when a o ON.	ator control outpu	t (Main Con
6	Ature (PV) dis esent tempera ting mode: Par ting valuedisp tor, Auto-tuni	7 play ature (PV) display ameter or lay. ing indicator	3 5. Con y. • OL ※In ou	5 trol/alarm o JT: t will turr Output) is case of CY( tput, it will tu	Autoria 4 a output indic a ON when a 5 ON. CLE/PHASE urn ON when	ator control outpu	t (Main Con SR drive
6 more and the second s	Ature (PV) dis esent tempera ing mode: Par ting valuedisp tor, Auto-tuni temperature (	7 play iture (PV) display ameter or lay. ing indicator PV) deviation	3 5. Con y. • OL ※In ou (0	trol/alarm of JT: t will turr Output) is case of CY( itput, it will tu only for AC p 1/AL2: t will	Autoria 4 autoput indic a ON when o c ON. CLE/PHASE aurn ON when ower type) light up whe	ator control outpu control of S n MV is over	t (Main Con SR drive 3.0%.
6	Ature (PV) dis esent tempera ting mode: Par ting valuedisp tor, Auto-tuni temperature ( mperature (SV	7 play ture (PV) display ameter or lay. ing indicator PV) deviation ) by LED.	3 5. Con y. • OL ×In ou (a • AL	5 trol/alarm of JT: twill turr Output) is case of CY( trput, it will twill tr only for AC p 1/AL2: twill Alarr	Autoria 4 autout indic o ON when a ON. CLE/PHASE urn ON when ower type)	ator control outpu control of S n MV is over	t (Main Con SR drive 3.0%.
6 Moor assent tempera RUN mode: Pr Parameter set parameter set viation indicas shows current issed on set ter o. PV deviation Over 2°C	Ature (PV) dis esent temperating mode: Par ting valuedispi tor, Auto-tuni temperature (SV on temp. Devi	7 play turre (PV) display ameter or lay. ng indicator PV) deviation ) by LED. ation display indicator Of	3 5. Con • OL ×In ou • AL 6. MO	5 trol/alarm of JT: t will turn Output) is case of CY( tput, it will turn only for AC p 1/AL2: t will Alarr DE key ed when ent	Autoria Autoria 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	ator control outpu control of S n MV is over en alarm out rameter grou	t (Main Con SR drive 3.0%. put Alarm1/ up, returning
6 Konstanting for the format of the format o	Ature (PV) dis esent temperating mode: Par ting valuedisp tor, Auto-tuni temperature (SV on temp. Devi	7 play ture (PV) display ameter or lay. ng indicator PV) deviation by LED. ation display indicator O! indicator O!	3 5. Con v. • OL ×In ou • AL 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	trol/alarm of JT: t will turn Output) is case of CYU tuput, it will turn only for AC p 1/AL2: t will Alarn DE key ed when ent RUN mode, i	Autoria Autoria 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	ator control outpu control of S n MV is over en alarm out rameter grou	t (Main Con SR drive 3.0%. put Alarm1/ up, returning
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6 1000 esent tempera RUN mode: PH Parameter set parameter set parameter set viation indica shows current 0. PV deviatio 0. PV deviatio 0. PV deviatio 0. Ver 2°C Below ±2°C 0. Under -2°C 0. Under -2°C 0. Under -2°C 0. Under -2°C 0. Endeviation in ery 1 sec. who temperature ess any front temperature	Auto-tuni temperature (SV)     indicators (Auto-tuni temperature (SV)     indicators (Auto-tuni temperature (SV)     indicators (Auto-tuni temperature (SV)     indicators     indicators (SV)     indicators     indicators	7 play ture (PV) display ameter or lay. ing indicator PV) deviation ) by LED. ation display indicator OI ↓ indicator OI	3 5. Con • OL ×In ot • AL 0 8. FUN 8. FUN • Pre	5 trol/alarm of Output) is case of CYU tput, it will turn inly for AC p 1/AL2: twill Alarm DE key ad when ent RUN mode, nues. ustment ed when ent ving and dig CCTON key ess Syl+@ k	Artipara Artipara In Utput indic In ON when c IN. DLE/PHASE In ON when In ON WHEN	ator isontrol outpu control of S n MV is over en alarm out rameter grou meter, and s t value chan	t (Main Con SR drive 3.0%. put Alarm1/ up, returnin aving settin ge mode, d function (R
6 Hoose essent tempera RUN mode: Pr Parameter sel viation indica shows current ased on set ter bo PV deviati Over 2°C Below ±2°C Under -2°C ne deviation in revy 1 sec. why t temperature revs any front urrent set temp mperature (SV	Auto-tuni temperature (SV), dis esent tempera- ting valuedispi tor, Auto-tuni temperature (SV) on temp. Devi dicators (A en operating a (SV) indicator key once to ch erature (SV), t ) indicator is C	7 play ture (PV) displat ameter or lay. ng indicator PV) deviation ) by LED. ation display indicator OI indicator OI indicator OI ↓ indicator OI c indicator OI ↓ indicator OI	3 5. Con • OU ×In ou (c • AL Uss Uss Uss Val Val Val Vs Val Vs Vs N Vs Vs Vs Vs Vs Vs Vs Vs Vs Vs	5 trol/alarm of Output) is case of CY1 tput, it will turn Case of CY1 tput, it will turn output) is case of CY1 tput, it will turn trol to the trol to t	Artiprise 4 sutput indic ON when or ON. CLE/PHASE Im ON when ower type) light up when 12 are on. ering into para ering into see it up/down. eys for 3 see tip/down.	ator isontrol outpu control of S n MV is over en alarm out rameter grou meter, and s t value chan	t (Main Con SR drive 3.0%. put Alarm1/ up, returnin aving settin ge mode, d function (R
6 to the second	Auto-tunin     and temperature     (SV)     and temperature     (SV)     on temp.     Devi     dicators (         SV         indicator     (SV) indicator     (SV) indicator     (SV), indicator     (SV)	7 play ture (PV) displat ameter or lay. mg indicator PV) deviation ) by LED. ation display indicator OI indicator OI indicator OI indicator OI ck or change the set DN and preset set ator	3 5. Con • OL ×In oL (C • AL Uss mol 7. Adju Uss mol 8. FUN Pret STI par ×F	5 trol/alarm c Output) is Cutput) is case of CYU tput, it will tur inly for AC p 1/AL2: twill Alarm DE key ed when ent wing and dig UCTION key sss ⊠rf (A) k OP, alarm or ameter [a] Press ♥rf (A) k	Arbeits Arb	ator control outpu control of S n MV is over en alarm out rameter groi meter, and s t value chan c. to operate auto-tunnin	t (Main Con SR drive 3.0%. put Alarm1/ up, returnin aving settin ge mode, d function (R g) set in inn
6 to the second	Auto-tunin     and temperature     (SV)     and temperature     (SV)     on temp.     Devi     dicators (         SV         indicator     (SV) indicator     (SV) indicator     (SV), indicator     (SV)	7 play ture (PV) displat ameter or lay. mg indicator PV) deviation ) by LED. ation display indicator OI indicator OI indicator OI indicator OI ck or change the set DN and preset set ator	3 5. Con • OL ×In oL (C • AL Uss mol 7. Adju Uss mol 8. FUN Pret STI par ×F	5 trol/alarm of Output; is case of CY(0 tput; it will tur output; is case of CY(0 tput; it will twill tur it will twill tur it will the will the line of CY(0 key estimation of the twill the will the twill the	Arbeits Arb	ator control outpu control of S n MV is over en alarm out rameter groi meter, and s t value chan c. to operate auto-tunnin	t (Main Con SR drive 3.0%. put Alarm1/ up, returnin aving settin ge mode, d function (R g) set in inn
6 more provided to the provide	Auto-tuni temperature (PV) dis esent temperature (mperature (SV) n temp. Devi dicators ( n operating a (SV) indicator key once to ch erature (SV), i ) indicator is C temperature (C), t ) indicator is C	7 play ture (PV) display ameter or lay. ing indicator PV) deviation ) by LED. ation display indicator OI indicator OI indicator OI indicator OI indicator OI indicator OI vindicator OI I, V) flash by uto tuning. vr eck or change he set NN and preset set ator indic	3 3 5. Con ou v * OU * N 0 ( • AL 0 0 0 0 0 0 0 0 0 0 0 0 0	5 trol/alarm of Output) is case of CY(d dput, it will tur output) is case of CY(d dput, it will tur is case of CY(dput, it will tur dput, is case of CY(dput, it will tur dput, it will tur dput, is case of CY(dput, it will tur dput, it will tur dput, is case of CY(dput, it will tur dput, i	Arbeirs 4 wutput indic ON when or ON. CLE/PHASE I'rn ON when ower type) light up when 2 are on. ering into para ering into para ering into see it up/down. eys for 3 see tiput cancel, 2]. keys at the nove digit.	ator control outpu control of S n MV is over en alarm out rameter groi meter, and s t value chan c. to operate auto-tunnin same time i	t (Main Con SR drive 3.0%. put Alarm1/ up, returnin aving settin ge mode, d function (R g) set in inn
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6 more set temperature of the deviation indicates shows current assed on set temperature set to parameter set to parameter set to the deviation indicates shows current set temperature (SV alue is flashed.) The deviation in very 1 sec. where temperature (SV alue is flashed.) The deviation in the set temperature (SV alue is flashed.) The deviation in the set temperature (SV alue is flashed.) The set temperature (SV alue is flashed.) The deviation in the set temperature of temperature of the set temperature of		7 play ture (PV) display ameter or lay. ing indicator PV) deviation ) by LED. ation display indicator OI indicator OI indicator OI indicator OI indicator OI indicator OI indicator OI vindicator OI v	3 5. Con • OL * In oL ( • AL • AL • A • S. MO Use mo 8. FUN Par * STe par * FUN * Col • AL • AL • AL • AL • AL • Col • AL • AL • AL • Col • AL • AL • AL • Col • AL • AL • Col • AL • AL • Col • AL • AL • Col • AL • Col • AL • Col • Col	5 trol/alarm of Output) is case of CYU tput, it will turn Output) is case of CYU tput, it will turn output) is case of CYU tput, it will turn output, it will turn in for AC p key ed when ent RUN mode, I ues. sstment ed when ent RUN mode, I wes. streent downen ent CTION key SSS ()+(A) (A) CTION key SSS ()+(A) (A) (A) (A) (A) (A) (A) (A)	Artiprise Artificial In the second	ator control outpu control of S n MV is over en alarm out rameter grou meter, and s t value chan c. to operate auto-tunnin same time i -S8 to 219 -22 to 932 -40 to 147 -148 to 75 -148 0 to -58 to 392 -58 0 to 3	t (Main Con SR drive 3.0%. put Alarm1/ up, returnin, aving settin ge mode, d function (R g) set in inn in set value ure range (° 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
6 more set temperature of the deviation indicates shows current assed on set temperature set to parameter set to parameter set to the deviation indicates shows current set temperature (SV alue is flashed.) The deviation in very 1 sec. where temperature (SV alue is flashed.) The deviation in the set temperature (SV alue is flashed.) The deviation in the set temperature (SV alue is flashed.) The set temperature (SV alue is flashed.) The deviation in the set temperature of temperature of the set temperature of		7 play ture (PV) display ameter or lay. ing indicator PV) deviation ) by LED. ation display indicator OI indicator OI indicator OI indicator OI indicator OI indicator OI indicator OI vindicator OI v	3 5. Con • OL * In oL ( • AL • AL • A • S. MO Use mo 8. FUN Par * STe par * FUN * Col • AL • AL • AL • AL • AL • Col • AL • AL • AL • Col • AL • AL • AL • Col • AL • AL • Col • AL • AL • Col • AL • AL • Col • AL • Col • AL • Col • Col	5 trol/alarm of Output) is case of CYU tput, it will turn Output) is case of CYU tput, it will turn output) is case of CYU tput, it will turn output, it will turn in for AC p key ed when ent RUN mode, I ues. sstment ed when ent RUN mode, I wes. streent downen ent CTION key SSS ()+(A) (A) CTION key SSS ()+(A) (A) (A) (A) (A) (A) (A) (A)	Artiprise Artificial In the second	ator control outpu control of S n MV is over en alarm out rameter grou meter, and s t value chan c. to operate auto-tunnin same time i -S8 to 219 -22 to 932 -40 to 147 -148 to 75 -148 0 to -58 to 392 -58 0 to 3	t (Main Con SR drive 3.0%. put Alarm1/ up, returnin, aving settin ge mode, d function (R g) set in inn in set value ure range (° 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
6 1000 sent tempera UN mode: PH intro indication indication hows current Der 2°C Below ±2°C Under -2°C Under -2°C Under -2°C Under -2°C Under -2°C intro temperature rent set temp perature (SU ue is flashed. sensor mocouple SSP (48 × 4		7 play ture (PV) display ameter or lay. ing indicator PV) deviation ) by LED. ation display indicator OI indicator OI indicator OI indicator OI indicator OI indicator OI indicator OI vindicator OI v	3 5. Con • OL * In oL ( • AL • AL • A • S. MO Use mo 8. FUN Par * STe par * FUN * Col • AL • AL • AL • AL • AL • Col • AL • AL • AL • Col • AL • AL • AL • Col • AL • AL • Col • AL • AL • Col • AL • AL • Col • AL • Col • AL • Col • Col	5 trol/alarm of Output) is case of CYU tput, it will turn Output) is case of CYU tput, it will turn output) is case of CYU tput, it will turn output, it will turn in for AC p key ed when ent RUN mode, I ues. sstment ed when ent RUN mode, I wes. streent downen ent CTION key SSS ()+(A) (A) CTION key SSS ()+(A) (A) (A) (A) (A) (A) (A) (A)	Artiprise Artificial In the second	ator control outpu control of S n MV is over en alarm out rameter grou meter, and s t value chan c. to operate auto-tunnin same time i -S8 to 219 -22 to 932 -40 to 147 -148 to 75 -148 0 to -58 to 392 -58 0 to 3	t (Main Con SR drive 3.0%. put Alarm1/ up, returnin, aving settin ge mode, d function (R g) set in inn in set value ure range (° 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
6 - unor sent temperature UN mode: Pr arameter set iation indica hows current sed on set tet PV deviation Over 2°C Below ±2°C Dedviation over 2°C a deviation in try 1 sec. white temperature (S) ue is flashed. perature (S) perature (S) p		7 play ture (PV) display ameter or lay. ing indicator PV) deviation ) by LED. ation display indicator OI indicator OI indicator OI indicator OI indicator OI indicator OI indicator OI vindicator OI v	3 5. Con • OL * In oL ( • AL • AL • A • S. MO Use mo 8. FUN Par * STe par * FUN * Col • AL • AL • AL • AL • AL • Col • AL • AL • AL • AL • Col • AL • AL • AL • Col • AL • Col • C	5 trol/alarm of Output) is case of CYU tput, it will turn Output) is case of CYU tput, it will turn output) is case of CYU tput, it will turn output, it will turn in for AC p key ed when ent RUN mode, I ues. sstment ed when ent RUN mode, I wes. streent downen ent CTION key SSS ()+(A) (A) CTION key SSS ()+(A) (A) (A) (A) (A) (A) (A) (A)	Artiprise Artificial In the second	ator control outpu control of S n MV is over en alarm out rameter grou meter, and s t value chan c. to operate auto-tunnin same time i -S8 to 219 -22 to 932 -40 to 147 -148 to 75 -148 0 to -58 to 392 -58 0 to 3	t (Main Con SR drive 3.0%. put Alarm1/ up, returnin, aving settin ge mode, d function (R g) set in inn in set value ure range (° 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

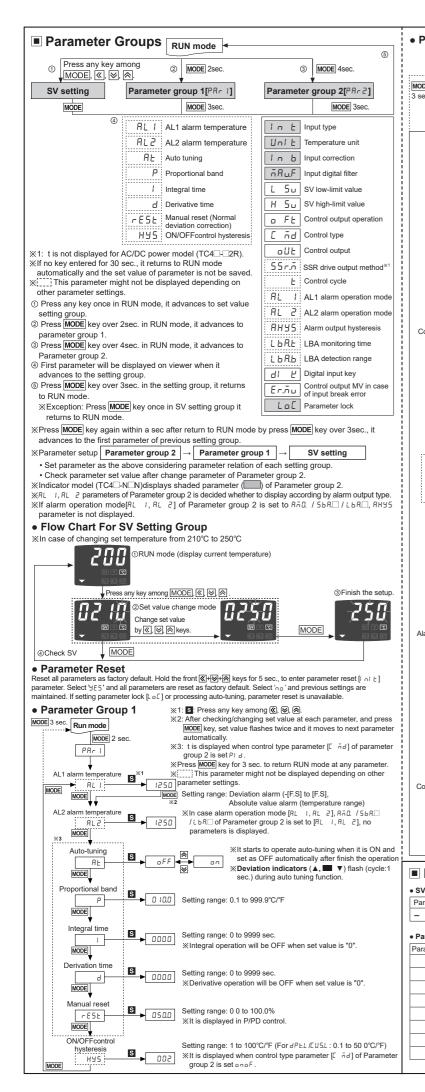
X

\*Mount the product on the panel, fasten bracket by pushing with tools as shown above.

(In case of TC4Y, fasten bolts for bracket.)



1)Stand
A mo
same
(ON:
OFF:
2)Cycle
2)Cycle A mo
A mo
A mo repea
A mo repea accor



Parameter	Group 2				
	•		ny key among 🔇		
	-				ameter, and press to next parameter
Run mode		automatically	/.		-
	DE 4 sec.		ey for 3 sec. to ret meter might not b		
3 sec. PR-2		parameter sett		o alopiajoa aope	inding on other
Input type	-				
→ In E	S *1 ► EER		Г ◀➡ арғн ◀	≝ ∎₽£1 <b>€</b> ₽	С и 5.н ◀➡ С и 5.с
MODE	MODE ×2 ×V	Vhen changing input	type, SV, I n b, I	≝ <u> </u> ≝ ⊣ Su,L Su,AL	I, AL 2, L b AE,
↓ ↓	L	6R6, AH95 paramet			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Temperature u	S		Front temperature selecting the unit.		II flash when
MODE			When changing te		SV,/n 6,H 5u,
Input correcti	on		L 50, AL 1, AL 2, are initialized.	L Ь Я Е , L Ь Я Ь , Я Н	195 parameters
Inb			999 to 999 (dPEL	/ <u>C U S.L</u> : -199.9 to	999 9)
MODE					
Input digital f	S	Setting range: 0			
	-	Set input digit and display va	al filter time for av alue.	erage input value	e affected control,
SV low-limit		Setting range: Wi	thin the rated temp	erature	
			nsor[L 5 ≤ (H 9 SV low-limit value,		case of [i n E] put sensor type,
[MODE]			is initialized as L		w/high-limit setting
SV high-limit			thin the rated temp	erature	mperature (SV) is so set as max./min.
	120		nsor [H 5 ≥ ( L 9 SV high-limit value,	e na le	mperature range of
Control output op	eration_	ifSV>H 5 ,SV	is initialized as H	5. "'	put sensor.
o FE	■ HER		When changing c	ontrol output ope	ration, Er.āU is
MODE		_ ≥	initialized.		
Control typ	۵	_			
		d € onoF ×	When changing c	ontrol type, Er.ñU	is initialized
MODE		>	(control output M) OFF automatically		and d? E turns
			OFF automatically	<i>γ</i> -	
Control outp	out s				D I 00D
		.≝ € 55- 8	Operates only sel	ected output betv	veen Relay or SSR.
MODE		_			
SSR drive			×It is (	displayed when s	electing control
output meth		ज ब € दिवटा €	PHR5 outp	ut [oUE] as 55r.	For AC/
MODE				oower type (TC4⊡ meter [55⊬.⊼] is r	
↓			-		
Control cyc		Setting range:0 5		- н. ч. factory defa	ault is 20.0 sec, or
MODE	- 010		ctory default is 2.0		aan 10 2010 000, 01
		*This E will not is set as [y[L]		n SSR drive outp	ut method [55r.ñ]
AL1 alarm oper	ration			· · · · · · · · · · · · · · · · · · ·	Press 🔇 key to
RL I		LA ◀··▶ L ₽ KA ◄	🗶 🖌 🕅	<ul> <li>➡ R ∩ Lb</li> </ul>	convert alarm
MODE	× Alarm	n operation mode	× 41		operation mode into alarm option.
AL2 alarm oper	ation		·		into diariti optioni
RL 2	► Aŭg	*Same with the When changing	above [AL 1]. g alarm operation	AL1, AL2, alarm	temperature of
MODE		AL1, AL2 is ini	tialized.		
Alarm output hyst		Setting range: 1	to 100°C/°F (dPE.		
MODE			barameter is not d		nü.,56HL
↓					with Auto-tunning)
LBA monitoring	s .	ML LAL parame	ter is displayed wi	hen alarm operat	ion mode [AL 1,
		AL 2] is set a	SLBALL.		
LBA detection	band	Setting range: 0	to 999°C/°F (dPE. etting with Auto-tu	. / [ U 5.: 0 0 to 999	9.9°C/°F)
L b R b	s → 00	2 When alarm of	peration mode [RL	I, AL 2] is set	
MODE		alarm (LBA) [L L b R b parame	bA□], and L b RE ter is displayed.	parameter does r	IOL SEL AS U,
Digital input I				,	
		₽₽₽₽₽₽₽	ALFE	RE	
MODE		is not displayed for			et F
Control output MV	/ in case	not displayed when Setting range: 0			
of input break	error S DOD	×0 0/100 0% is	displayed when c	ontrol type param	neter [[ ād] is
MODE		When changing	g P D control to C	N/OFF control. it	f MV is below
Parameter lo	ock	100 0%, it is ir	nitialized as 0 0%.		icator model
LoE				Lo[3] (TC4	-N□N), only □FF,
MODE		× ×		Lo[1a	ire available.
Eastar	Dofoult				
Factory	Delault				
SV setting		Parameter Gro	oup 2		
Parameter	Factory default	Parameter	Factory default	Parameter	Factory default
_	0	ln-E	LEU LEU	Ŀ	0.050
Parameter Group	o 1	Unit	30	AL-I	8 ñ. l. R
Parameter	Factory default	1 <u>1 n - b</u>	0000		
AL I		- <u>⊼Ru</u> F	000.1	AL-2	R.5 A R
AL 2	1250	L-5u	-050	8H95	0001
RE	oFF	H-5u	1200	LBRE	0000
P	0 10.0	0-FE	HERE	L 6 A.6	5002
I	0000	[ <u>E-ād</u>	Pid	di - E	5toP
d	0000	oUE	r L 9	Er.ñu	000.0
c E S F	0500	55r.ñ	SEnd	LoC	oFF

\*AC/DC power type has no SSR drive output method [55r.ñ] and

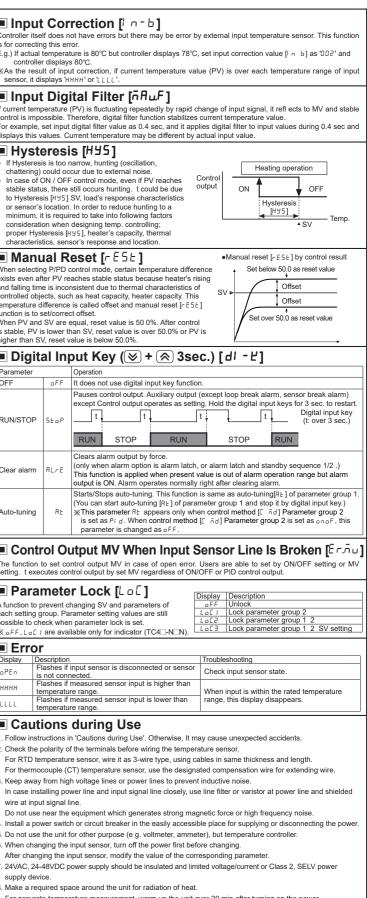
supports only ON/OFF output when selecting 55r in control output

rESt

H45

002

	on operation	dig	gital input key[러 문] of Para	ess digital input key(⊠+⊗ 3 sec., meter group 2 set as RL.rE), or
Node	Name	tur Alarm operation	n OFF the power and turn C	N to clear alarm.
NODE PAD.				No alarm output
A⊼ (□	Deviation high-limit alarm	OFF H ON SV PV 100°C 110°C High deviation: Set as 10°C	OFF H ON A PV SV 90°C 100°C High deviation: Set as -10°C	If deviation between PV and SV as high-limit is higher than set value of deviation temperature, the alarm output will be ON.
Añ 2.0	Deviation Iow-limit alarm	ON ↑ H ↓ OFF PV SV 90°C 100°C Lower deviation: Set as 10°C	ON ↑H OFF SV PV 100°C 110°C Lower deviation: Set as -10°C	If deviation between PV and SV as low-limit is higher than set value of deviation temperature, the alarm output will be ON.
A ñ 3.	Deviation high/low- limit alarm	△ PV S 90°C 100	V PV	If deviation between PV and SV as high/low-limit is higher than set value of deviation temperature, the alarm output will be ON.
Я⊼ч⊡	Deviation high/low- limit reserve alarm	∠ PV S 90°C 10	N H OFF AV PV 0°C 110°C ation: Set as 10°C	If deviation between PV and SV as high/low-limit is higher than set value of deviation temperature, the alarm output will be OFF.
R # 5.	Absolute value high limit alarm	OFF ↓H ON PV SV 90°C 100°C Absolute-value Alarm: Set as 90°C	OFF HON SV PV 100°C 110°C Absolute-value Alarm: Set as 110°C	If PV is higher than the absolute value, the output will be ON.
A⊼6.□	Absolute value low limit alarm	A PV SV 90°C 100°C Absolute-value Alarm: Set as 90°C	A A SV PV 100°C 110°C Absolute-value Alarm: Set as 110°C	If PV is lower than the absolute value, the output will be ON.
56R□	Sensor break alarm	_		It will be ON when it detects sensor disconnection.
L 6 A 🗆	Loop break			It will be ON when it detects loop
	alarm arm output hys	teresis[88451		break.
	opetion	[[[[[]]]		
Option	Name	Description		
Rā <u>∏</u> .R	Standard alarm	If it is an alarm condition, is OFF.	, alarm output is ON. If it is a	clear alarm condition, alarm output
9⊼∐b	Alarm latch	If it is an alarm condition,	, alarm output is ON and mai	intains ON status.
		(Alarm output HOLD)	nored and from second alar	m condition standard alarm
A⊻⊡C	Standby sequence 1	operates. When power is	supplied and it is an alarm	condition, this first alarm condition
	Alarm latch	-	econd alarm condition, stan	dard alarm operates. and standby sequence. When
Bā⊡.d	and standby	power is supplied and it is	s an alarm condition, this firs	st alarm condition is ignored and
	sequence 1		ondition, alarm latch operate	S.
Rā⊡E	Standby sequence 2	operates. When re-applied does not turn ON. After c	ed standby sequence and if i learing alarm condition, stan	
Rā <u>_</u> E Rā <u>_</u> F		operates. When re-applie does not turn ON. After c Basic operation is same power ON/OFF, but also	ed standby sequence and if i learing alarm condition, star as alarm latch and standby s alarm setting value, or alarm it is alarm condition, alarm c	t is alarm condition, alarm output
RāF Conditi Conditi changii to RUN S)Senso The func detected units usir t)Loop t	Alarm latch and standby sequence 2 ion of re-applied ion of re-app	operates. When re-applie does not turn ON. After c Basic operation is same a power ON/OFF, but also standby sequence and if clearing alarm condition, is tandby sequence for stand d standby sequence for stand d standby sequence for stand ture, alarm temperature [RL output will be ON when se rature controlling. You can it contact. t is selectable b BA)	d standby sequence and if i learing alarm condition, star as alarm latch and standby s alarm setting value, or alarm it is alarm condition, alarm or alarm latch operates. by sequence 1, alarm latch ar dby sequence 2, alarm latch ar , RL ] or alarm operation [RL ensor is not connected or wh check whether the sensor is setween standard alarm [56.6]	t is alarm condition, alarm output dard alarm operates. sequence1. It operates not only by o option changing. When re-applied output does not turn ON. After and standby sequence 1: Power ON and standby sequence 2: Power ON, , RL ], switching STOP mode even sensor's disconnection is connected with buzzer or other tR] or alarm latch [5bRb].
Rā⊡F <pre>Conditi Conditi changii to RUN 3)Senso 7)Senso 10Fle func detected units usir 4)Loop t t checks</pre>	sequence 2 Alarm latch and standby sequence 2 ion of re-applied ion of re-applied ion of re-applied ion of re-applied ion of re-applied mode. <b>r break alarm</b> during temper ng alarm outpu <b>break alarm</b> (the scontrol loop a	operates. When re-applie does not turn ON. After of Basic operation is same power ON/OFF, but also standby sequence and if clearing alarm condition, I standby sequence for stand d standby sequence for stand ture, alarm temperature [R]. o output will be ON when se rature controlling. You can it contact. t is selectable b .BA) ind outputs alarm by temper	d standby sequence and if i learing alarm condition, star as alarm latch and standby s alarm setting value, or alarm it is alarm condition, alarm or alarm latch operates. by sequence 1, alarm latch ar dby sequence 2, alarm latch ar , RL ] or alarm operation [RL ensor is not connected or wh check whether the sensor is setween standard alarm [56.6]	t is alarm condition, alarm output idard alarm operates. sequence1. It operates not only by a option changing. When re-applied utput does not turn ON. After ad standby sequence 1: Power ON hd standby sequence 2: Power ON, , RL ], switching STOP mode hen sensor's disconnection is connected with buzzer or other tR] or alarm latch [5bRb].
RāF Conditi Conditi changi to RUN S)Senso The func Jetected units usir H)Loop t t checks control), detection control) a	Alarm latch and standby sequence 2 ion of re-applied ion of re-applied on of re-applied on of re-applied on of re-applied on set temperal N mode. or break alarm during temperal during temperal during temperal scontrol loop a when control of h band [L bRb] and PV is not of turing LBA mon	operates. When re-applie does not turn ON. After of Basic operation is same power ON/OFF, but also standby sequence and if clearing alarm condition, I standby sequence for stand d standby sequence for stand ture, alarm temperature [R]. I output will be ON when se rature controlling. You can it contact. It is selectable b .BA) ind outputs alarm by tempe output MV is 100% (0% for during LBA monitoring time Jecreased below than LBA hitoring time [L b.R L], alarm	ed standby sequence and if i learing alarm condition, start as alarm latch and standby s alarm setting value, or alarm it is alarm condition, alarnc alarm latch operates. By sequence 1, alarm latch ar dby sequence 2, alarm latch ar dby sequence 2, alarm latch ar , RL ] or alarm operation [RL ensor is not connected or wh check whether the sensor is setween standard alarm [5b f erature change of the subjec cooling control) and PV is n e [LbRL], or when control ou detection band output turns ON.	t is alarm condition, alarm output idard alarm operates. sequence1. It operates not only by a option changing. When re-applied utput does not turn ON. After ad standby sequence 1: Power ON hd standby sequence 2: Power ON, , RL ], switching STOP mode hen sensor's disconnection is connected with buzzer or other I/I] or alarm latch [5bRb]. t. For heating control (cooling ot increased over than LBA trput MV is 0% (100% for cooling
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- For accurate temperature measurement, warm up the unit over 20 min after turning on the power.
- . Make sure that power supply voltage reaches to the rated voltage within 2 sec after supplying power. 0. Do not wire to terminals which are not used.
- . This unit may be used in the following environments
- (Indoors (in the environment condition rated in 'Specifications')
- ②Altitude max. 2.000m
- ③Pollution degree 2
- ④Installation category II

