

Terminal a b

(unit: mm)

Mounting hole

/\*/

DIN rail

(23N-3)

20mm

43mm

66mm

89mm

4

n

(23N+0.5)

23.5mm

46.5mm

69.5mm

92.5mm

Rail lock

0-1V, 1-5V, 0-5V, 0-10V

Current: 0-20mA, 4-20mA

2-M3 Tap

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**a** ►

		r Groups				🔳 In	out Type	and Tem	perature	Rang	e		
. Parameter 1 group ≪Alarm□ : Alarm1, /			larm2, Alarm3, Alarm4			Input t	/pe		Display		rature range (°C)	1 0 (	
Param		Display	Descriptions				K(CA)		K(CA).H	-200 to		-328 to 2462	
Alarm	output	Alarm	Set the CH for monitoring by alarm.						K(CA).L	-	to 1350.0	-328.0 to 2462.0	
target CH 1		Target CH	Setting range: CH1, CH2, CH1 or CH2, CH1 and CH2			H2	J(IC)		J(IC).H	-200 to		-328 to 1472	
	output	Alarm	Setting range: OFI	Setting range: OFF, AL-1, AL-2					J(IC).L E(CR).H	-200.0	to 800.0	-328.0 to 1472.0 -328 to 1472	
		Mode					E(CR)		E(CR).L	-	to 800.0	-328.0 to 1472	
low-limit SV CH□ I		Alarm Low CH	Range'	er to the 🔳 Inp	out type and Temper	rature			T(CC).H	-200.0		-328 to 752	
				alarm operation	larm operation mode, alarm output high/		T(CC)		T(CC).L	-	to 400.0	-328.0 to 752.0	
			IOW-IIITIIL SV IS a		utomatically reset as min./max. value which		B(PR)	B(PR)		0 to 18		32 to 3272	
			has no alarm.			Therm	- R(PR)		B(PR) R(PR)	0 to 17		32 to 3182	
	output	Alarm	,			couple	S(PR)		S(PR)	0 to 17	50	32 to 3182	
· ·	esis CH⊡ arm output r	Hysteresis_CH	Setting range: 1 to	100 (000.1 to	0 100.0)		N(NN)		N(NN)	-200 to	1300	-328 to 2372	
	· · ·	Operations			Descriptions	1	C(TT)*1		C(TT)	0 to 23	00	32 to 4172	
Mode OFF	Name	Operations			No alarm output		G(TT)*2		G(TT)	0 to 23		32 to 4172	
JFF	<u> </u>						L(IC)		L(IC).H L(IC).L	-200 to		-328 to 1652	
	Absolute	OFF H ON	OFF	H ON A PV 110°C	Alarm output turns C when PV is more that absolute value.		(-)	-(.0)		-	to 900.0	-328.0 to 1652.0	
AL-1	value	△ PV 90℃					U(CC)		U(CC).H	-200 to		-328 to 752	
	high-limit						Plating		U(CC).L PLII	0 to 13	to 400.0	-328.0 to 752.0 32 to 2534	
	alarm	Alarm absolute Sets 90°C	Alarm absorber Sets 110°C	olute value:				Platinel II Cu50Ω Cu100Ω		_	to 200.0	-200.0 to 392.0	
					+					_	to 200.0	-200.0 to 392.0	
	Absolute		FF		Alarma susta da				CU100 .L JPt100.H	-200.0		-328 to 1112	
AL-2	value				Alarm output turns PV is lower than a		JPt1000	JPt100Ω DPt50Ω		-	600.0	-328.0 to 1112.0	
-1L-Z	low-limit	90°C		110°C	PV is lower than alarm absolute value.	alarm RTD	DPt50Ω			-	600.0	-328.0 to 1112.0	
	alarm	Alarm absolute						<u></u>	DPt50 .L DPt100.H	-200 to		-328 to 1112	
<u>хн. т.</u>	arm output	Sets 90°C	Sets 110°C	,		I	DPt1000	2	DPt100. L	-200.0	to 600.0	-328 to 1112.0	
	meter 2 gro	•					Nickel12		NI120.H	-80 to 2	200	-112 to 392	
Param	-	Display	Descriptions					0-10V	AV1				
		CH						0-5V	AV2	_			
CH ir	nput type	Input Type	Setting range: Refer to the '■Inpu °C++++ *Does not set in analog input. Set the low-limit input value within a the input value within		ut type and tempera	ture range'.	Voltage	1-5V 0-1V 0-200mV -60-60mV	AV3	_0000	9 to 9999		
CH s	ensor	CH				Analog	-		AV4			es depending on the	
temper	rature unit	Unit				`			AmV1 AmV2		al point setting.)	-	
CHI	ow-limit inp	ut CH						0-20mA	AmA1	-			
value	on	Low Range		tting range: min. range to {high-limit input value (CH High			Current	4-20mA	AmA2	-			
			Range)-F.S. 10% di	uput value within analog input range.			TT): same as			×2 G(	. G(TT): same as existing W(TT) type sens		
	nigh-limit	CH	Setting range: {low-			e)+ES			r) type benoor	×2. 0(	11). Sumo do ex		
input v	alue	High Range	10% digit}] to max.			´    ■ Ir	oublesho	•					
CH⊡ d	lecimal poir	nt CH	Within high/low-limit	t scale value,	set the decimal poin	nt place for Display	s at software	DAQMaster).					
place of scale value		ue Scale Dot	display value (PV). Setting range: 0, 0.0, 0.00, 0.000				/ Description	Description Troubleshooting					
CH low-limit scale			Set display scale for analog low-limit input value (CH Low				Flashes if i	nput is broker	n or disconnecte	ed.	Check input sen	sor status.	
value		Low Scale	Range). Setting rar	-					is higher than t	he	When input is w	ithin the rated temperate	
	nigh-limit	CH	Set display scale fo			H High	lemperatur	e range of the				isor, this display	
scale value CH analog display		High Scale	Range). Setting range: -9999 to 9999 For analog input, set the display unit.					present value re range of the	is lower than th	e	disappears.	, 1,	
Unit unit	analog displ	ay CH Digital Unit	Setting range: °C, °F		init.			0				<i>c</i>	
		Digital Offic	Input correction is to		ation occurred from				unit operates n		e rated temperat	ure range of the sensor	
СН⊡		CH	temperature sensor. %After input correcting, when present value (PV) is over the temperature range of the sensor, HHHH or LLLL is displayed. Setting range: -999 to 999 (-999.9 to 999.9)							ionnuny.			
	orrection	Input Bias					Cautions during Use						
												expected accidents.	
			If the present value	`	,						perature sensor.	e thickness and length.	
			change of input sigr									ation wire for extending v	
СН□		СН□	filter makes the pres								vent inductive no		
input digital filter		Digital Filter	set as 0.4 sec., inpu					e closely	, use line filter or	varistor at power line a			
	0		for 0.4 sec. and the actual input value.	present value	is may be different		shielded wire at input signal line. Do not use near the equipment which generates strong magnetic force or high frequency noi					r high frequency noise	
			Setting range: 0.1 to	o 120.0 (sec.)								nectors of the product.	
		et in analog input.		. /							before changing		
	meter 3 gro								modify the valu ion line and pov		corresponding p	arameter.	
Param	eter	Display	blay Descriptions Parameter setting is enable or disable by software								ct ferrite bead at	each end of line to redu	
Communication					disable by software parameter set value	(Read) is the e	ffect of extern	al noise.					
Comm	amoauUII	Communications	always possible.)		paramotor set value	· / /. Use					extension cable.		
Comm write	/disable	Write	Enable : Enables	changing and	writing by paramet	ers 8 Use		the external	oise countermea	asures.			
write			Disable : Disable		d writing by parame					a PC, nu	umber of COM p	ort goes up in sequentia	
write enable				) VES			n connecting		03021 01115 10				
write enable Param			ze Setting range: NO	, TLO			and it takes	multiple SCM some time to	dentify and ass	ign num	ber of COM port.		
write enable Param «Paran	neters rese	t by changing the	parameter			10. Ma	and it takes te a required	multiple SCM some time to space around	dentify and ass the unit for rad	ign num iation of	heat.		
write enable Param «Param Group	neters rese			Reset param	eters	10. Ma	and it takes a required accurate tem	multiple SCM some time to space around perature mea	dentify and ass the unit for rad surement, warn	ign numl iation of n up the	, heat. unit over 20 min	after turning on the pow	
write enable Parame XParan Group Parame	neters rese P	t by changing the	parameter Display			10. Ma For 11. Ma 12. Do	and it takes a required accurate tem a sure that po not wire to ter	multiple SCM some time to space around perature mea ower supply vo minals which	dentify and ass the unit for rad surement, warn ltage reaches to are not used.	ign numl iation of n up the o the rate	heat. unit over 20 min ed voltage within	after turning on the pow 2 sec after supplying po	
write enable Paramo XParan Group	neters rese P	t by changing the Parameter	parameter Display	Reset param Alarm⊡ High	/Low_CH□	10. Ma Foi 11. Ma 12. Do 13. Do	and it takes a required accurate tem te sure that po not wire to ter not connect o	multiple SCM some time to space around perature mea ower supply vo minals which r disconnect U	dentify and ass the unit for rad surement, warn ltage reaches to are not used. JSB cable quick	ign numl iation of n up the o the rate	heat. unit over 20 min ed voltage within epeatedly while c	after turning on the pow 2 sec after supplying po	
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write enable, Param &Param Group Parame group	neters rese P eter 1 A	t by changing the Parameter Jarm output mo	parameter Display de Alarm Mode	Reset param Alarm High Alarm High Range, CH	/Low_CH□ /Low_CH□, CH□	10. Ma Fou 11. Ma 12. Do 13. Do Low/High .ow/High 14. Thi	r and it takes ke a required accurate tem the sure that point not wire to ter not connect o ay cause dan s unit may be	multiple SCM some time to space around perature mea ower supply vo minals which r disconnect l nage or malfu used in the fo	dentify and ass the unit for rad surement, warn ltage reaches to are not used. JSB cable quick	ign numl iation of n up the o the rate oduct and ments.	heat. unit over 20 min ed voltage within epeatedly while o d PC.	after turning on the pow 2 sec after supplying po	
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# E Input Type and Temperature Pange

- Laser Welding/Cutting System