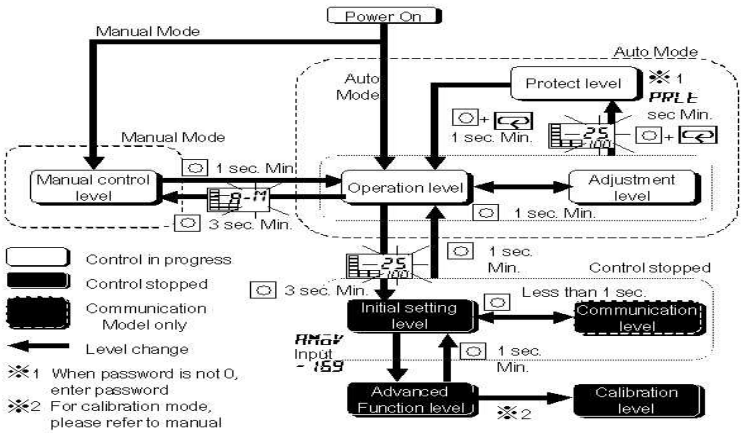
new E5CN-□ Parameter List

NO.	MODE	DISPLAY	FUNCTION	RANGE	UNIT	DEFAULT	USER	REMARKS
1		PMOV	MOVE TO PROTECT LEVEL	-1999 to 9999	-	0		*3 Only available when password <> zero (0)
2		oAPt	OPERATION / ADJUSTMENT PROTECTION	0 to 3	-	0		*3 Protect level of parameter (0=Low 3=High)
3	PROTECT	cCPt	INITIAL SETTING / COMMUNICATION PROTECT	0 to 2	-	1		*3 Protect level of levels (0=Low 2=High)
4	LEVEL	WtPt	SETTING CHANGE PROTECTION	oFF / on	-	oFF		*3
5		PMSK	PARAMETER MASK	oFF / on	-	on		*3 Displayed only when setting parameter mask, off shows all parameter
6		PRLP	MOVE TO PROTECT LEVEL PASSWORD	-1999 to 9999	-	0		*3 press "level" key with up/down key to change password
7		A-M	AUTO/MANUAL SELECT	-	-	-	-	Pid control only, displayed when "Additional Auto/Manual select" is on
8		M-SP	MULTI SETPOINT (SETPOINT 0-3)	0 to 3	-	0		Gives the number of the current active setvalue (0-3)
9		SP-M	SETPOINT DURING SP RAMP	READ ONLY	E.U.	-	-	Current setvalue while sv is ramping up to target sv
10		Ct1 Ct2	HEATER CURRENT 1 AND 2 VALUE MONITOR	READ ONLY	A	-	-	Reads the heater current trough CT in conduction (MV <> 0%)
11		LCR1 LCR2	LEAKAGE CURRENT 1 AND 2 VALUE MONITOR	READ ONLY	A	-	-	Reads the heater current trough CT when MV = 0%
12		PRSt	PROGRAM START	RSEt / StRt	-	RSEt		Programmer idle (RSEt) or running (StRt)
13		SKtR	SOAK TIME REMAINING	0 - 9999	m/h	-	-	Reads the remaining soak time before program end
14	OPERATION	R-S	RUN / STOP MODE	RUN / StoP	-	RUN		StoP = No control, only PV measurement and alarms
15	LEVEL	AL-1	ALARM VALUE 1	-1999 to 9999	E.U.	0		*3 Set Alarm value X for ALt1 =2, 3, 6, 7, 8, 9, 10 and 11
16		AL1H	ALARM VALUE 1 UPPER LIMIT (OR)	-1999 to 9999	E.U.	0		*3 Set Alarm value H for ALt1 =1, 4 and 5
17		AL1L	ALARM VALUE 1 LOWER LIMIT (OR)	-1999 to 9999	E.U.	0		*3 Set Alarm value L for ALt1 =1, 4 and 5
18		AL-2	ALARM VALUE 2	-1999 to 9999	E.U.	0		*3 Set Alarm value X for ALt2 =2, 3, 6, 7, 8, 9, 10 and 11
19		AL2H	ALARM VALUE 2 UPPER LIMIT (OR)	-1999 to 9999	E.U.	0		*3 Set Alarm value H for ALt2 =1, 4 and 5
20		AL2L	ALARM VALUE 2 LOWER LIMIT (OR)	-1999 to 9999	E.U.	0		*3 Set Alarm value L for ALt2 =1, 4 and 5
21		AL-3	ALARM VALUE 3	-1999 to 9999	E.U.	0		*3 Set Alarm value X for ALt3 =2, 3, 6, 7, 8, 9, 10 and 11
22		AL3H	ALARM VALUE 3 UPPER LIMIT (OR)	-1999 to 9999	E.U.	0		*3 Set Alarm value H for ALt3 =1, 4 and 5
23		AL3L	ALARM VALUE 3 LOWER LIMIT (OR)	-1999 to 9999	E.U.	0		*3 Set Alarm value L for ALt3 =1, 4 and 5
24		o	MV MONITOR (OUT1)	READ ONLY	%	-	-	Read PID heat output value
25		C-o	MV MONITOR (OUT2)	READ ONLY	%	-	-	Read PID cool output value
26		LAdJ	ADJUSTMENT LEVEL	READ ONLY	-	-	-	Displayed one time when moving to adjustment level
27		At	AUTO TUNE EXECUTE/CANCEL	oFF / on	-	oFF		Performs a one shot autotune
28		CMWt	COMMUNICATION WRITING ALLOWED	oFF / on	-	oFF		Parameter writing through serial comms allowed
29		Ct1 Ct2	HEATER CURRENT 1 AND 2 VALUE MONITOR	READ ONLY	A	-	-	Reads the heater current trough CT in conduction (MV <> 0%)
30		LCR1 LCR2	LEAKAGE CURRENT 1 AND 2 VALUE MONITOR	READ ONLY	A	-	-	Reads the heater current trough CT when MV = 0%
31		Hb1	HEATER BURNOUT DETECTION 1	0,0 to 50,0	A	0.0		Set low current detection level (0 = OFF)
32		Hb2	HEATER BURNOUT DETECTION 2	0,0 to 50,0	A	0.0		Set low current detection level (0 = OFF)
33		HS1	HEATER SHORT SSR DETECTION 1	0,0 to 50,0	A	50.0		Set high leakage current detection level (50 = OFF)
34		HS2	HEATER SHORT SSR DETECTION 2	0,0 to 50,0	A	50.0		Set high leakage current detection level (50 = OFF)
35		SP-0	SET POINT 0	SETPOINT UPPER to LOWER	E.U.	0		
36		SP-1	SET POINT 1	SETPOINT UPPER to LOWER	E.U.	0		
37		SP-2	SET POINT 2	SETPOINT UPPER to LOWER	E.U.	0		
38		SP-3	SET POINT 3	SETPOINT UPPER to LOWER	E.U.	0		
39		inS	TEMPERATURE INPUT SHIFT (OR)	-199,9 to 999,9	E.U.	0.0		Trim the PV to match an external reference source, linear 1 point methode
40		inSH	TEMPERATURE INPUT SHIFT UPPER LIMIT (OR)	-199,9 to 999,9	E.U.	0.0		Trim the PV to match an external reference source, high point
41		inSL	TEMPERATURE INPUT SHIFT LOWER LIMIT (OR)	-199,9 to 999,9	E.U.	0.0		Trim the PV to match an external reference source, low point
42		P	PROPORTIONAL BAND	0,1 to 999,9	E.U.	8.0		*4 with E5CN-xxxL : P = 10% f.s.
43	ADJUSTMENT	I	INTEGRAL TIME	0 TO 3999	SEC	233		If "I" = 0 then "oF-R" (line 47) is 50% by default
44	LEVEL	d	DIFFERENTIAL TIME	0 TO 3999	SEC	40		When RT is on (line 119) range is 0.0 to 999.9
45		C-SC	COOLING COEFFICIENT	0,01 to 99,99	-	1.00		Only Heat/Cool operation. Balance control by adjusing cool output gain
46		C-db	DEAD BAND	-199,9 to 999,9 (-19.99 to 99.99 *4)	E.U.	0.0		Only Heat/Cool operation. Area around 0% MV where MV is forced to 0%
47		oF-R	MANUAL RESET VALUE	0,0 to 100,0	%	50.0		Remove PV-SV offset in P or PD operation (available when I=0)
48		HYS	HYSTERESIS (OUT1)	0,1 to 999,9 (0.01 to 99.99 *4)	E.U.	1.0		Only On/Off operation. Ouput OFF at SV, Output ON at SV - hys (0,1 for *4)
49		C-HYS	HYSTERESIS (OUT2)	0,1 to 999,9 (0.01 to 99.99 *4)	E.U.	1.0		Only On/Off operation. Ouput OFF at SV, Output ON at SV + hys (0,1 for *4)
50		SoAK	PROGRAM SOAK TIME	1 - 9999	m/h	0		Set time for Soak/Dwell here
51		Wt-b	PROGRAM WAIT BAND	OFF, 0,1 to 999,9	E.U,	oFF		When the PV goes outside the band the Soak time is on WAIT
52		MV-S	MANUAL VALUE AT STOP	MV UPPER to LOWER LIMIT	%	0.0		Forced output % when the controller is stopped (RUN/STOP)
53		MV-E	MANUAL VALUE AT PV ERROR	MV UPPER to LOWER LIMIT	%	0.0		Forced output % when the sensor error break alarm is active
54		SPRt	SP RAMP SET VALUE	OFF, 1 to 9999	E.U,	oFF		Maximum change of SV per minute or second (set with parameter #84)
55		oL-H	MV UPPER LIMIT	0.0 to 105.0	%	105.0		0.0 is not valid when using standard control (-0.1 or 0.1 is used)
56		oL-L	MV LOWER LIMIT	(-105.0) -5.0 to 0.0 (or oL-H)	%	-5.0	105.0	DEPENDING ON standard OR Heat & Cool Control
57		inT	INPUT TYPE	0 to 23	-	5		*3 *4 For Analogue Input Type (E5CN-xxxL) range = 0 - 4 default is 0
58		inH	SCALING UPPER LIMIT	SCALE LOW+1 to 9999	E.U.	100		*1 Analogue input only
59		inL	SCALING LOWER LIMIT	-1999 to SCALE HIGH -1	E.U.	0		*1 Analogue input only
60		dP	DECIMAL POINT	0 to 1	-	0		Setting provides xxxx or xxx.x display (*4 = 0 to 4 decimal places)
61		d-U	TEMPERATURE UNIT SELECTION	°C / °F	-	°C		Select degree Centigrade of Farenheit
62		SL-H	SETVALUE UPPER LIMIT	SL-L +1 to SENSOR High	-	1300		*1 (Default Pt100 setting = 850 Default *4 setting 100)
63		SL-L	SETVALUE LOWER LIMIT	SENSOR Low to SL-H -1	-	-200		*1 (Default *4 setting 0)
64		CNtL	CONTROL: PID - ON/OFF	PId / oNoF	-	oNoF		PId = 2PID - oNoF = ON/OFF
65	INITIAL	S-HC	CONTROL: STANDARD - HEAT&COOL	StNd / H-C	-	StNd		StNd=Standard H-C=Heat&Cool (with H&C 2 alarms max, not 3)
66	SETTING	St	ST SELF TUNING	oFF / on	-	on		on Starts AT on power-up and when <> St-b (line 95)
67	LEVEL	PtRN	PROGRAM PATERN TYPE	oFF / StoP / CoNt	-	oFF		type of programmer, OFF or Continue (run) / Stop (run) at end of soak/dwell
68		CP	CONTROL PERIOD (OUT1)	0.5, 1 to 99 (steps of 1 sec)	SEC	20		OUT1 duty cycle at 100% MV (heat)
69		C-CP	CONTROL PERIOD (OUT2)	0.5, 1 to 99 (steps of 1 sec)	SEC	20		OUT2 duty cycle at 100% MV (cool)
70		oREV	DIRECT / REVERSE OPERATION	oR-R / oR-d	-	oR-R		Usually REVERSE is for heat and DIRECT is for cool applications
71		ALt1	ALARM 1 TYPE	0 to 12	-	2		*3 Alarm Type 1 is not shown when PtRN(line 67) is in use (Cont or Stop)
72		ALt2	ALARM 2 TYPE	0 to 11	-	2		*3
73		ALt3	ALARM 3 TYPE	0 to 11	-	2		*3
74		tR-t	TRANSFER OUTPUT TYPE	oFF SP SP-M PV MV C-MV	-	oFF		Only for Linear Ouput models (E5CN-Cxxx-xxx)
75		tR-H	TRANSFER OUTPUT UPPER LIMIT	low to high of SP, MV or PV	-	100.0		Only for Linear Ouput models (E5CN-Cxxx-xxx)
76		tR-L	TRANSFER OUTPUT LOWER LIMIT	low to high of SP, MV or PV	-	0.0		Only for Linear Ouput models (E5CN-Cxxx-xxx)
77		o1-t	LINEAR OUTPUT TYPE	0-20 / 4-20	mA	4-20		Only for Linear Ouput models (E5CN-Cxxx-xxx)
78		AMOV	MOVE TO ADVANCED FUNCTION SETTING LEVEL	-1.999 to 9.999	-	0		Move to ADVANCED level with -169 (default factory setting)

oAPt	0	1	2	3
operation level — PV	R	R	R	R
operation level — SV	RW	RW	RW	R
operation level — other	RW	RW	x	x
Adjustment level	RW	x	x	x

cCPt	0	1	2
Initial setting level	Y	Y	N
Communications setting level	Y	Y	N
Advanced function setting level	Y	N	N

WtPt	off	on
set-up can be changed by key	Y	
set-up cannot be changed by key		Y



NOT ALL PARAMETERS ARE SHOWN AT ALL TIMES ! !, (DEPEND ON FUNCTION AVAILABLE OR SELECTED)

*** 1 AFTER THE TEMPERATURE INPUT TYPE IS SET, THE UPPER AND LOWER SCALING VALUES CAN BE SET**

*** 2 PV IS FIXED RED OR FIXED GREEN OR GREEN>RED ON ALM1 OR RED>GREEN ON ALM1 OR GREEN WITHIN STABLE BAND AND RED OUTSIDE OR AMBER BELOW, GREEN WITHIN AND RED ABOVE BAND**

*** 3 MORE DETAILS AT THE BOTOM OF THIS OR THE OTHER SIDE PAGE**

*** 4 Valid for E5CN-xxxL-500 linear input models**

NEW CN

BLUE: Input and PV
GREEN: Control / PID
PURPLE: Alarms
GREY: MV / Output
YELLOW: SetValue SV/SP
ORANGE: HA Heater Alarm (Burnout and SSR short)

OMRON

new E5CN-□ Parameter List

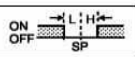
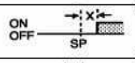
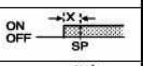
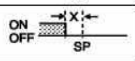
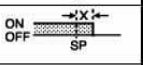
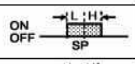
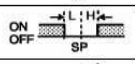
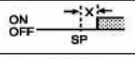
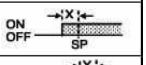
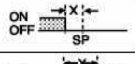
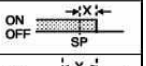
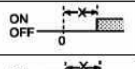
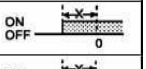
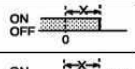
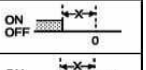
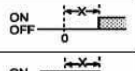
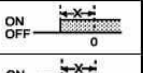
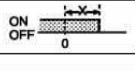
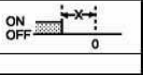
NO.	MODE	DISPLAY	FUNCTION	RANGE	UNIT	DEFAULT	USER	REMARKS
79		INIT	PARAMETER INITIALIZE	oFF / FACt / USER	-	oFF		oFF keep settings, FACt return to factory defaults, USER reset cust defaults
80		EU-M	NUMBER OF MULTI SP USED	0 to 2	-	1		0= No SP via event 1= 1 event I/P for (2)SP 2= 2 event I/P for (4)SP
81		EU-1	EVENT INPUT ASSIGNMENT 1	NONE / StoP / MANU / PRSt	-	NONE		if Event I/P closed, control=stopped, Manual MV=selected or program=started
82		EU-2	EVENT INPUT ASSIGNMENT 2	NONE / StoP / MANU / PRSt	-	StoP		if selected and Event I/P closed, control is stopped or program is strated
83		MSPU	MULTI SP USES	oFF / on	-	oFF		OFF means only one setvalue (SP) available ON means 4 SP available
84		SPRU	SETPOINT RAMP TIME UNIT	Seconds / Minutes	-	M		Amount of E.U. per second or per minute of SP ramp
85		RESt	STANDBY SEQUENCE RESET METHOD	A / b	-	A		In mode b the alarm stand-by condition is only reset on power up
86		AL IN	ALARM 1 OPEN IN ALARM	N-o / N-C	-	N-o		N-o Close relay in Alarm N-C Open relay in Alarm
87		ALH1	ALARM 1 HYSTERESIS	0.1 - 999.9	E.U,	0.2		Difference between switch ON and Switch OFF alarm. (E5CN-xxL type 0.02)
88		AL2N	ALARM 2 OPEN IN ALARM	N-o / N-C	-	N-o		N-o Close relay in Alarm N-C Open relay in Alarm
89		ALH2	ALARM 2 HYSTERESIS	0.1 - 999.9	E.U,	0.2		Difference between switch ON and Switch OFF alarm. (E5CN-xxL type 0.02)
90		AL3N	ALARM 3 OPEN IN ALARM	N-o / N-C	-	N-o		N-o Close relay in Alarm N-C Open relay in Alarm
91		ALH3	ALARM 3 HYSTERESIS	0.1 - 999.9	E.U,	0.2		Difference between switch ON and Switch OFF alarm. (E5CN-xxL type 0.02)
92		HbU	HBA (HEATER BURNOUT ALARM) USED	oFF / on	-	on		HBA alarm enabled
93		HbL	HBA LATCH	oFF / on	-	oFF		HBA alarm latched (alarm is hold until operator resets the alarm)
94		HbH	HBA HYSTERESIS	0.1 to 50.0	A	0.1		Difference between switch ON and Switch OFF alarm.
95		St-b	ST (SELF TUNE) STABLE RANGE	0,1 to 999,9	°C / °F	15.0		When PV goes out of stable range, tune is started if St is on (line 66)
96		ALFA	ALFA: SETVALUE CHANGE FEED FORWARD	0,00 to 1,00	-	0.65		OMRON's unique 2PID control feature, 0,65 is good for most applications
97		INF	INPUT FILTER	0.0 - 999.9	SEC	0.0		Digital first order input filter with time constant to be set
98		PVAd	ADDITIONAL PV DISPLAY	oFF / on	-	oFF		When set to on it is possible to show PV without SV
99		o-dP	MANIPULATED VARIABLE (MV) DISPLAY	oFF / on	-	oFF		when set to on it is possible to show mv in scroll list
100		REt	AUTOMATIC RETURN OF DISPLAY MODE	oFF , 1 to 99	SEC	oFF		Automatic fall back to operator level (time set)
101		A1LE	ALARM 1 LATCH	oFF / on	-	oFF		To reset latch: power on/off or move in/out of setting level
102		A2LE	ALARM 2 LATCH	oFF / on	-	oFF		To reset latch: power on/off or move in/out of setting level
103		A3LE	ALARM 3 LATCH	oFF / on	-	oFF		To reset latch: power on/off or move in/out of setting level
104		PRLE	PROTECT LEVEL MOVE TIME	1 to 30	SEC	3		Key pressing time required to move to protect level
105	ADVANCED	SERo	INPUT SENSOR ERROR ALARM	oFF / on	-	oFF		When set to on alarm 1 becomes "or" with this alarm
106	FUNCTION	CJC	COLD JUNCTION COMPENSATION METHOD	oFF / on	-	on		on =Internal CJC oFF External CJC
107	SETTING	RLMV	MB COMMAND LOGIC SWITCHING	oFF / on	-	oFF		When set to on communication is according to E5_J
108	LEVEL	CoLR	PV COLOR CHANGE FUNCTION	-->	-	REd		*2 oRG REd GRN R-G G-R R-GR G-oR o-GR
109		PV-b	PV COLOR CHANGE STABLE BAND	0.1 to 999.9	E.U,	5.0		PV display is green when PV is within the stable band
110		A1on	ALARM 1 ON DELAY	0 - 999	SEC	0		Set the time for the alarm condition to be present before the alarm is active
111		A2on	ALARM 2 ON DELAY	0 - 999	SEC	0		Set the time for the alarm condition to be present before the alarm is active
112		A3on	ALARM 3 ON DELAY	0 - 999	SEC	0		Set the time for the alarm condition to be present before the alarm is active
113		A1oF	ALARM 1 OFF DELAY	0 - 999	SEC	0		Set the time for the alarm condition to be present before the alarm is deactive
114		A2oF	ALARM 2 OFF DELAY	0 - 999	SEC	0		Set the time for the alarm condition to be present before the alarm is deactive
115		A3oF	ALARM 3 OFF DELAY	0 - 999	SEC	0		Set the time for the alarm condition to be present before the alarm is deactive
116		InSt	INPUT SHIFT TYPE	1NS1 / 1NS2	-	1NS1		One point (linear offset) or Two point input shift (offset & gain alternative)
117		MVSE	MV AT SENSOR ERROR & STOP SELECT	oFF / on	-	oFF		When oFF MV at error is 0%. when on MV value is set at line 52/53
118		AMAd	AUTO/MANUAL SELECT ADDITIONAL	oFF / on	-	on		Shows or Hide the Auto/Manual selection display in the operator list
119		Rt	RT (robust tuning)	oFF / on	-	oFF		New style auto tuning, use when PV hunting is becomes a problem
120		HSU	HSA (HEATER SSR SHORT ALARM) USED	oFF / on	-	oFF		Heater/SSR Short alarm enabled
121		HSL	HSA LATCH	oFF / on	-	oFF		HSA alarm latched (alarm is hold until operator resets the alarm)
122		HSH	HSA HYSTERESIS	0.1 to 50.0	A	0.1		Difference between switch ON and Switch OFF alarm.
123		LbA	LBA (LOOP BREAK ALARM) DETECTION TIME	0 - 9999	SEC	0		0 means LBA is off. For E5CN-xxL types range = 0.00 to 99.99
124		LbAL	LBA LEVEL	0.1 to 999.9 (0.01 to 99.99 *4)	E.U,	8		set this value the same as the P value, For E5CN-xxL type default is 10% f.s.
125		LbAb	LBA BAND	0.0 to 999.9	E.U.	3		For E5CN-xxL type default is 0.20
126		oUt1	CONTROL OUTPUT 1 ASSIGNMENT	*4 + *5	-	o		Select function for output 1 : none, output, alarm, or Program end
127		oUt2	CONTROL OUTPUT 2 ASSIGNMENT	*4	-	NONE		Select function for output 2 : none, output, alarm, or Program end
128		ALM1	SUB / AUX / ALM OUTPUT 1 ASSIGNMENT	*4	-	ALM1		Select function for sub output 1 : none, output, alarm, or Program end
129		ALM2	SUB / AUX / ALM OUTPUT 2 ASSIGNMENT	*4	-	ALM2		Select function for sub output 2 : none, output, alarm, or Program end
130		CSEL	CHARACTER SELECT	oFF / on	-	on		use 11 of 7 segments display, set of off if you need old style 7 segment
131		t-U	SOAK TIME UNIT	Minute / Hour	-	M		
132		ALSP	ALARM SETPOINT SELECTION	SP-M / SP	-	SP-M		alarm react on target SP or on SP during ramp
133		CMov	CALIBRATION MOVE PARAMETER	-1.999 to 9.999		0		Move to calibration mode
134		PSEL	PROTOCOL SELECT	CWF / Mod	-	CWF		select communications protocol, CompowayF or Modbus RTU
135	COMMUNICA-	U-No	COMMUNICATIONS UNIT NO.	0 - 99	-	1		Controller's address
136	TIONS	bPS	BAUD RATE	1.2 2.4 4.8 9.6 19.2 38.4	kbps	9.6		Communication speed
137	SETTING	LEN	COMMUNICATIONS DATA LENGTH	7 / 8	BITS	7		To set the length of data
138	LEVEL	SbIt	COMMUNICATIONS STOP BIT	1 / 2	BITS	2		Number of stop bits
139		PREY	COMMUNICATIONS PARITY	NONE EVEN odd	-	EVEN		To set the parity check bit
140		SdWt	SEND DATA WAIT TIME	0 - 99	ms	20		time wait before reply is given

in-t

in-t	Input type	Name	Set Value	Input Temperature Range	
Temperature input type	Platinum resistance thermometer	Pt100	0	-200 to 850 (°C)	-300 to 1500 (°F)
			1	-199.9 to 500.0 (°C)	-199.9 to 900.0 (°F)
			2	0.0 to 100 (°C)	0.0 to 210.0 (°F)
		JPt100	3	-199.9 to 500.0 (°C)	-199.9 to 900.0 (°F)
			4	0.0 to 100 (°C)	0.0 to 210.0 (°F)
	Thermocouple	K	5	-200 to 1300 (°C)	-300 to 2300 (°F)
			6	-20.0 to 500.0 (°C)	0.0 to 900.0 (°F)
		J	7	-100 to 850 (°C)	-100 to 1500 (°F)
			8	-20 to 400.0 (°C)	0.0 to 750 (°F)
		T	9	-200 to 400 (°C)	-300 to 700 (°F)
			10	-199.9 to 400.0 (°C)	-199.9 to 700 (°F)
		E	11	0 to 600 (°C)	0 to 1100 (°F)
		L	12	-100 to 850 (°C)	-100 to 1500 (°F)
		U	13	-200 to 400 (°C)	-300 to 700 (°F)
			14	-199.9 to 400.0 (°C)	-199.9 to 700 (°F)
		N	15	-200 to 1300 (°C)	-300 to 2300 (°F)
		R	16	0 to 1700 (°C)	0 to 3000 (°F)
		S	17	0 to 1700 (°C)	0 to 3000 (°F)
		B	18	100 to 1800 (°C)	300 to 3200 (°F)
	Infrared temperature sensor ES1A	K10 to 70°C	19	0 to 90 (°C)	0 to 190 (°F)
		K80 to 120°C	20	0 to 120 (°C)	0 to 240 (°F)
		K115 to 165°C	21	0 to 165 (°C)	0 to 320 (°F)
		K160 to 260°C	22	0 to 260 (°C)	0 to 500 (°F)
	Analog input	0 to 50 mV	23	One of following ranges depending on the result of scaling: -1999 to 9999, -199.9 to 999.9	

in-t	Input type	Name	Set Value	Input Temperature Range	
Linear input type	Linear	mA	0	4-20mA	-1999 to 9999 -199,9 to 999,9 -19,99 to 99,99 -1,999 to 9,999
			1	0-20mA	
		V	2	1-5 Volt	
			3	0-5 Volt	
			4	0-10 Volt	

ALt1 ALt2 ALt3

Set Value	Alarm Type	Alarm Output Operation: When X is positive	Alarm Output Operation: When X is negative
0	Alarm function OFF	Output OFF	
1	Upper- and lower-limit (deviation)		*2
2	Upper-limit (deviation)		
3	Lower-limit (deviation)		
4	Upper- and lower- limit range (deviation)		*2
5	Upper- and lower- limit with standby sequence (deviation)		*2
6	Upper-limit with standby sequence (deviation)		
7	Lower-limit with standby sequence (deviation)		
8	Absolute-value upper-limit		
9	Absolute-value lower-limit		
10	Absolute-value upper-limit with standby sequence		
11	Absolute-value lower-limit with standby sequence		
12	Loop break alarm (ALt1 only)		

NOT ALL PARAMETERS ARE SHOWN AT ALL TIMES ! !, (DEPEND ON FUNCTION AVAILABLE OR SELECTED)

* 1 AFTER THE TEMPERATURE INPUT TYPE IS SET, THE UPPER AND LOWER SCALING VALUES CAN BE SET

* 2 PV is FIXED ORANGE or FIXED RED or FIXED GREEN or RED>GREEN on ALM1 or GREEN>RED on ALM1
or GREEN within stable band and RED outside or GREEN below, ORANGE within and RED obove or ORANGE below GREEN within and RED above

* 3 MORE DETAILS AT THE BOTOM OF THIS OR THE OTHER SIDE PAGE

* 4 NONE o C-o ALM1 ALM2 ALM3 P.End *5 E5CN-xxxL type NONE o C-o only

NEW CN

BLUE: Input and PV
GREEN: Control / PID
PURPLE: Alarms
GREY: MV / Output
YELLOW: SetValue SV/SP
ORANGE: HA Heater Alarm (Burnout and SSR short)

OMRON