

"SERP will be displayed when a platinum resistance thermometer is mistakenly connected while input type is not set for it. To clear the SERP display, correct the wiring and cycle the power supply.

Alarms

-							
	Setting	Alarm type	Alarm output function				
	Setting	Adailii type	Positive alarm value (X)	Negative alarm value (X)			
	0	No alarm function		Output off			
*1	1	Deviation upper/lower limit	OFF SP	Vary with "L", "H" values			
	2	Deviation upper limit	ON SP	ON OFF SP			
	3	Deviation lower limit	ON XX	ON OFF			
*1	4	Deviation upper/lower range	ON OFF SP	Vary with "L", "H" values			
*1	5	Deviation upper/lower limit standby sequence ON	ON TIPE	Vary with "L", "H" values			
	6	Deviation upper limit standby sequence ON	ON SP	ON OFF SP			
	7	Deviation lower limit standby sequence ON	ON TX	ON OFF SP			
	8	Absolute value upper limit	ON OFF	ON OFF			
	9	Absolute value lower limit	ON OFF	ON THE O			
	10	Absolute value upper limit standby sequence ON	ONX-	ON HICE			
	11	Absolute value lower limit standby sequence ON	ON OFF	ON OFF			
	12	LBA (only for alarm 1)					
	13	PV Change Rate Alarm					
	14	SP absolute value upper limit	ON OFF	ON OFF			
	15	SP absolute value lower limit	ON OFF	ON OFF			
	16	MV absolute value upper limit	ON HICH	ON OFF			
	17	MV absolute value lower limit	ON OFF	ON THE			
*1: Upper and lower limits can be set for parameters 1, 4 and 5 to provide for							

opper and lower limits can be set for parameters 1, 4 and 5 to pr different types of alarm. These are indicated by the letter "L" and "H".

*The default alarm type is "2"

This is a class A product. In residential areas it may cause radio interference, in which case the user may be required to take adequate measures to reduce interference.

(only when setting analog input)

| (a) | (a) | (a) | (b) | (b) | (c) | RLH2 Alarm 2 Hysteresis

*6 RLE3 Alarm 3 Type

RLE3 Specified models only 51 B RLH3 Alarm 3 0.2 Hysteresis

•6 0 15E Control O

4-20 Signal SL -L
-200

THEL
INCOMOFF control = 3H35
In 2-PID control = 7Ed

Ard of Heating/Coo y__D Signal
y_D Signal
y_D Signal
y_D Signal
y_D Signal
y_D Signal
y_D Signal
x_D Signa L RE L

NOSP In 2-PID control = PC

10 (SP)

S-HE

Standard or Heatingil

S-HE

Standard certed = St. Hd

S-L Hd

Heating and cooling control

ST ON = SH

ST ON = SH

(SP)

CO Control Period (Heating *6 EV - 3 Event lipput Assignment 3

*6 EV - 4

*6 EV -FLÖE Floating

FLÖE
Floating

FLÖE
Floating

Motor
Calibration Mot 30

Warning Symbols

3. Refer to the adjoining tables for details of input types and atarm types.
4. Applicable only to models with atarm functions.
5. Operation is slopped when moved to the initial setting level. (control/diarm are both stopped.)
6. The grayed-out setting items may not be displayed according to the m and setting.
and setting.
7. Applicable only to models with heater burnout functions.

⚠ Conformance to Safety Standard

Reinforced insulation is provided between injust power supply, relay outputs, and between other terminals.

Do not allow temporary overvoltages on the primary circuit to extend the following values, the following values of the provided of

Always externally connect the recommended fuse that is spec in the Instruction Manual before you use the Digital Controller.

Analog Input

If you input an analog voltage or current, set the Input Type

If you input on the correct input type.

- to not use the Digital Controller to measure a circuit with
Measurement Category II, III, or IV.

- Do not use the Digital Controller to measure an energized circuit to
which a voltage that exceeds 30 Vms or 60 VDC is applied.

The protection provided by the Digital Controller may be impaired if the Digital Controller is used in a manner that is not specified by the manufacturer

Press (e) (less than RL 2H Alarm Value Upper Limit 2 * Hold @ do 5P - M Set Point SP Ramp for at least 1 second RL 2L Alarm Value Lower Limit 2 LER | Leakage C RL-3 B RL 3H Alarm Value Opper Limit 3 RUN/STOP
When control sta Alarm Value B Lower Limit 3

Hold

and

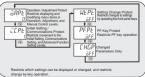
keys
down for at least 1 second

Hold

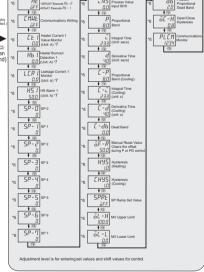
hold

keys
down for at least 3 seconds

● Protect Level



■ Other functions
Refer to the ES C Digital Controllers User's Manual (Cat. No. H174)
for information on the Advanced Function Settling Level,
Manual Control Level, and other functions. Manual Control Level, and other functions.
Refer to the ES C Digital Controllers Communication Manual
(Cat. No. H175) for information on communications.



●Error Display (troubleshooting)

When an error has occurred, the No.1 display shows the error code. Take necessary measure according to the error code, referring the table below.

No.1 display	Meaning	Action	Status at error	
No.1 display			Control	Alarm
S.EPP (S. Err)	Input error	Check the setting of the Input Type parameter, check the input wiring, and check for broken or shorts in the temperature sensor.	OFF	Operates as above the upper limit.
E 333 (E333)	A/D converter error	After the correction of A/D converter error, turn the power OFF then back ON again. If the display remains the same, the controller must be repaired. If the display is restored to normal, then a probable cause can be external noise affecting the control system. Check for external noise.	OFF	OFF
E I I I (E111)	Memory error	Turn the power OFF then back ON again. If the display remains the same, the controller must be repaired. If the display is restored to normal, then a probable cause can be external noise affecting the control system. Check for external noise.	OFF	OFF

If the input value exceeds the display limit (-1999 to 9999), though it is within the control range [CCC] will be displayed under -1999 and [222] above 9999. Under these conditions control output and alarm output more controllers. On the CST Output more alarm outp

wn only for "Process value / Set point". Not shown for other status OMRON EUROPE B.V. Wegalaan 67-69, NL-2132 Phone 31-2356-81-300 2 JD Hoofddorp The Netherlands Phone 31-2356-81-300 FAX 31-2356-81-388 OMRON ELECTRONICS LLC One Commerce Drive Schamburg, IL 60173-5302 U.S.A Phone 1-847-843-7900 FAX 1-847-843-787 OMRON ASIA PACIFIC PTE. LTD. No. 438A Alexandra Road # 05-05/08 (Lobby 2), Alexandra Technopark, Singapore 119967 Phone 65-6835-3011 FAX 65-6835-2711

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