Chapter 8 ALARM CODES

When an error occurs, the following alarm codes are displayed in the upper display.

Alarm code	Error	Cause	Countermeasure
AL01	Abnormal PV input (see Note)	Sensor line break, incorrect wiring, incorrect range code setting	Check wiring or reset range code.
AL02	Abnormal PV input (see Note)	Sensor line break, incorrect wiring, incorrect range code setting	Check wiring or reset range code.
AL03	CJ failure	Terminal temperature compensation unit failure (thermocouple)	Replace unit.
	Abnormal PV input (see Note)	Sensor line break, incorrect wiring (RTD)	Check wiring.
AL10	Abnormal A/D conversion	Defective A/D converter	Replace unit.
AL97	Abnormal parameter	• Power turned OFF during fixing of data • Data corrupted due to noise	Reset data.
AL98	Abnormal adjustment data	Data corrupted due to noise	Replace unit.

An alarm code other than AL97 causes the output value to be set to 0% (OFF). Instrument operations other than output value are unaffected.

The AL97 alarm code does not affect instrument operation.

(Note) • Display and operation when thermocouple input line break occurs

Abnormal State	Indication	Alarm Code
Sensor line break	Upscaled	AL01

• Display and operation when break occurs in resistance temperature detector input

Abnormal State	Indication	Alarm Code
Resistor line break	Upscaled	AL01
Break in line A	Upscaled	AL01
Break in line B	Downscaled	AL02, AL03
Break in line C	Upscaled or downscaled	AL01, AL03
Break in 2 lines or more		or AL02, AL03
A and B short-circuit	Downscaled	AL02
A and C short-circuit	Downscaled	AL02