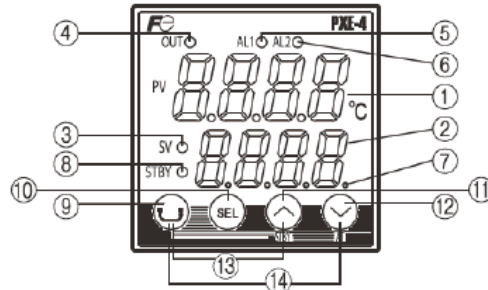


Instructions for PXE-4 Regulator



Displays and indicator lamps

- ① Process value (PV)
Displays a process value (PV) or a parameter symbol.
- ② Setting value (SV)
Displays a set value (SV) or a parameter set value.
- ③ SV lamp
Lamp is lit when a set value is displayed at lower line.
Lamp is OFF while a parameter is being set.
- ④ Output lamp
Lamp is lit while control output is ON.
Lamp is OFF while control output is OFF.
- ⑤ Alarm 1 lamp
- ⑥ Alarm 2 lamp (Note1)
Lamp is lit while alarm is ON.
Lamp is OFF while alarm is OFF.
- ⑦ Auto-tuning lamp
Lamp blinks during auto-tuning
Lamp is OFF while control is being operated.
- ⑧ Standby lamp
Lamp is lit while control is standby(or stop)
Lamp is OFF while control is being operated.

Operation Keys

- ⑨ Block key
Switches parameter channels
- ⑩ Select key
Switches the parameters
- ⑪ Up key
Changes the setting value and increases numerical value
- ⑫ Down key
Changes the setting value and decreases numerical value
- ⑬ Block + Up key
Switches RUN/Stand-by with holding down for 3 seconds on PV/SV display
- ⑭ Block + Down key
Executes the auto-tuning Start/Stop with holding down for 3 seconds on PV/SV display

Note 1) Alarm 2 function is optional.

Operation keys:

No. 9 To access different channels (from 1 to 3): ch 1 PID Control, ch 2 Setup, ch 3 Alarms

No. 10 SEL key to select the parameters Standby, Auto Tuning, Lock.

No. 11 y 12 Keys to increase/decrease the numerical values.

Parameters of Channel 1, PID Control (with SEL key you can pass from one parameter to another):

Visualization	Parameter name	Description	Default setting
P	Proportional band	Sets the proportional band of PID parameter	5.0%
I	Integral time	Sets the integral time of PID parameter	240 seconds
d	Derivative time	Sets the derivative time of PID parameter	60 seconds
BAL	Convergence output value	Sets the compensation value to be added to MV	0.0%
CTrL	Control method	Selection of control method	onoF
TC	Output control time cycle	Sets the cycle time of the control output	30 seconds
rEU	Normal/Reverse Action	Switches between normal and reverse action	rEvs (reverse action)

Parameters of Channel 2 Setup:

Visualization	Parameter name	Description	Default setting
PUT	Type of input	Selection of input type	T2
PVoF	PV(process value) offset	Sets the compensation value to be added to PV	0.00%

Parameters of Channel 3 Alarms:

Visualization	Parameter name	Description	Default setting
ALM1	Alarm type 1	Sets the type of alarm action	5
ALM2	Alarm type 2	Sets the type of alarm action	0
dSPC	Parameter display change	Sets whether or not to display the hidden parameters and the configuration range. Each time it is turned on, the operator level is always set as default.	oPE

SEL key to access the following parameters:

Visualization	Parameter name	Description	Default setting
STBY	Standby	Switches between RUN and Standby for control	Off
AT	Auto Tuning	Start and stop of Auto Tuning mode	Off
LOC	Key Lock	Locks keys to prevent operating errors	Off

Use keys 11 and 12 (increase/decrease) to select the temperature up to 1200°C.