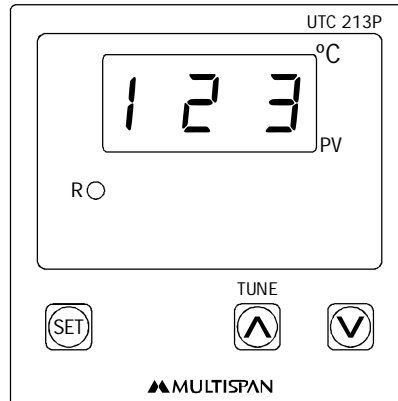
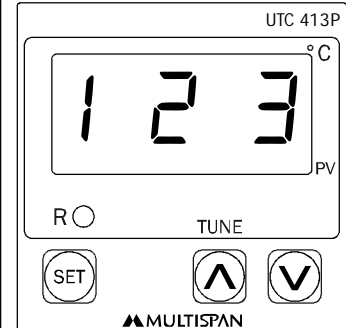


UTC 113P
96 X 96 mm



UTC 213P
72 X 72 mm



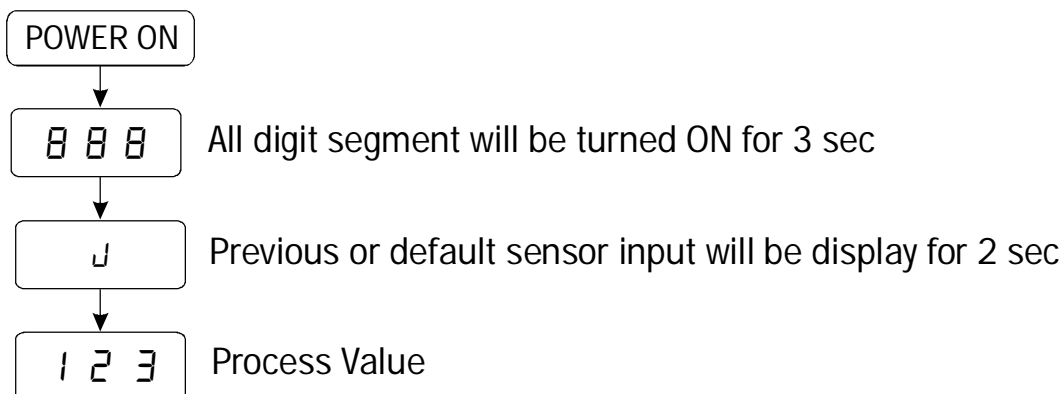
UTC 413P
48 X 48 mm

Technical Specification

- 1) Display : 3 dig. 7 seg, 0.56", red LED display.
- 2) Input : J, K, PT-100 (selectable)
- 3) Temperature Range : J: 0 to 600° C / K: 0 to 999° C / PT-100: -99 to 400° C
- 4) Control Action : PID/ON-OFF (selectable)
- 5) Output : 1 relay, 1 C/O contact, 230V AC, 5A/ S.S.R
- 6) Power Supply : 100 to 250V AC (SMPS)

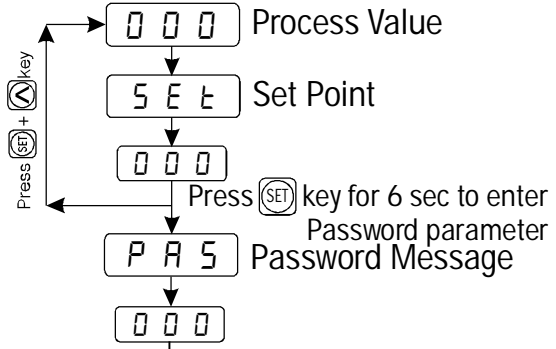
Note :

- 1) Press + key for 3 sec to go to Factory Setting mode.
- 2) Press key to go to next parameter.
- 3) Press or to enter value or to select option.
- 4) Every time the instrument is turned ON, following pattern will be displayed

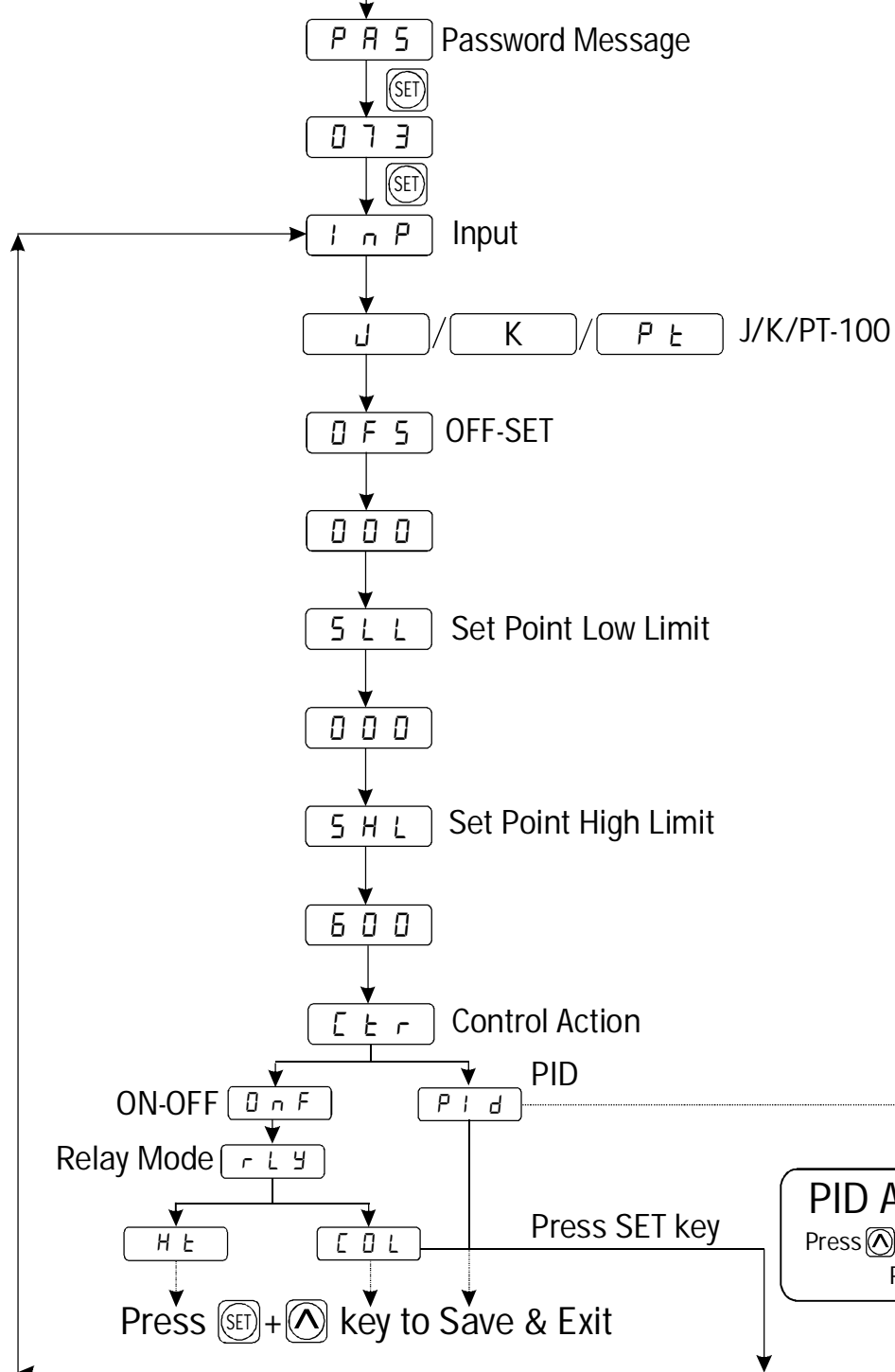


SET POINT SETTING

BASIC CONFIGURATION



TO ENTER BASIC CONFIGURATION SETTING, ENTER "73"



PID AUTO-TUNNING
 Press (▲) key for 6 sec to start/stop PID auto-tunning

CONTROL PARAMETER

TO ENTER CONTROL PARAMETER SETTING, ENTER "37"

P A S Password Message

0 0 0

to enter Control Parameter setting, enter "37"

IF PID SELECTED

IF ON-OFF SELECTED

PID P i d

O n F ON-OFF

Proportional Band

P b

0 0 0

Integral time

i t

0 0 0

Derivative time

d t

0 0 0

Cycle Time

C t

0 0 4

Manual Reset

m r

0 0 0

Press **SET** + **▲** key to Save & Exit

Press SET key

Press SET key

H y S

0 0 1

If Cool is Selected

d e l i Delay time

0 0 1

Press **SET** + **▲** key to Save & Exit

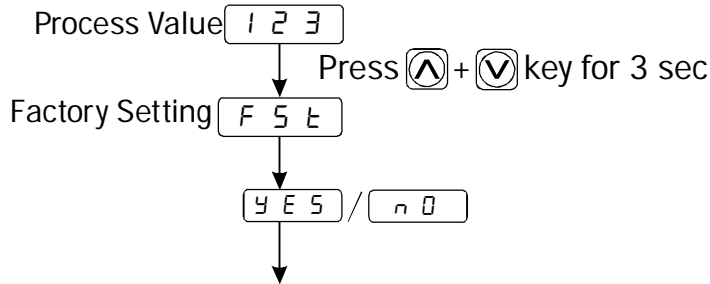
If Heat is selected then press **SET** + **▲** key to Save & Exit.

Sr.	Parameter	Range for J, K, PT100
1	PB	0 TO 999
2	IT	0 To 999
3	DT	0 To 999
4	CT	4 Sec To 99 Sec
5	MR	-9 to +9°C
6	DELAY TIME	1 sec to 999 sec
7	Hysteresis	1°C to 50°C
8	Off-set correction	-20°C to +20°C

Note :

- 1) Press **SET** key to go to next parameter.
- 2) Press **▲** or **▼** key to enter value or to select option.

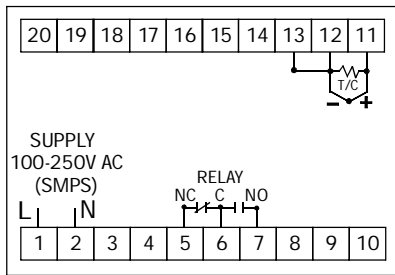
FACTORY SETTING



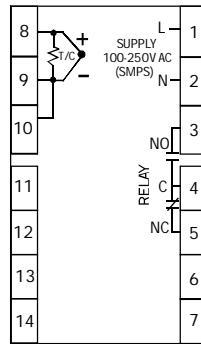
YES : press **SET** + **▲** key to apply factory set values as shown in table.
n0 : press **SET** + **▲** key to escape from factory setting.

FACTORY SETTING		
SR.	PARAMETER	VALUES
1	PB	050
2	IT	225
3	DT	025
4	CT	6 Sec
5	MR	0° C
6	OFFSET	0° C
7	HYSTERESIS	3° C
8	DELAY TIME	6 sec

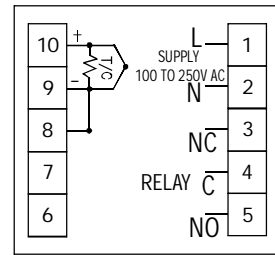
1) Connection Diagram with Relay Output.:



UTC-113P

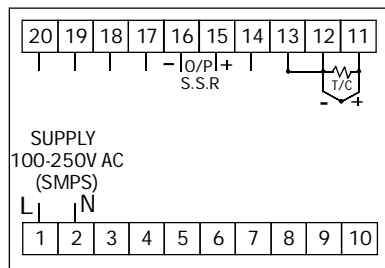


UTC-213P

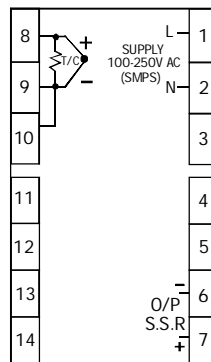


UTC-413P

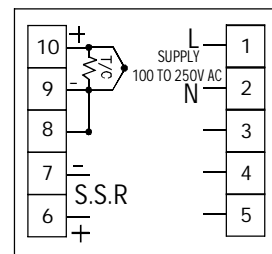
2) Connection Diagram with SSR Output.:



UTC-113P



UTC-213P



UTC-413P