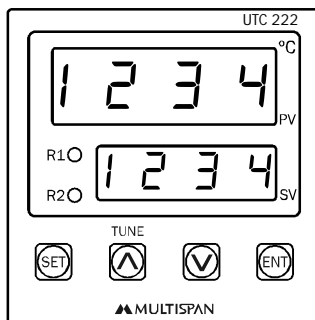
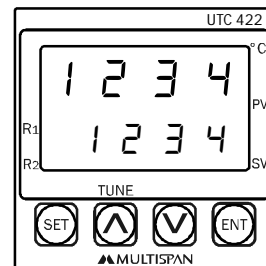


UTC 122



UTC 222



UTC 422

## Technical Specification

Model	UTC-122	UTC-222	UTC-422
Display	UPPER:- 4 Digit 7 seg 0.56",red LED Display LOWER:- 4 Digit 7 seg 0.4",green LED Display		UPPER:- 4 Digit 7 seg 0.39",red LED Display LOWER:- 4 Digit 7 seg 0.28",green LED Display
Size	96 X 96 X 50	72 X 72 X 85	48 X 48 X 95
Panel Cutout	92 X 92	68 X 68	44 X 44
Input	J, K, PT-100 (selectable)		
Temperature Range	J: 0 to 600°C / K: 0 to 1200°C / PT-100: -99 to 400°C /PT.1: -99.0 to 400.0°C		
Control Action	PID / ON-OFF (selectable)		
Output 1 Output 2	1st Output : Relay Or SSR,12V DC,30mA 2nd Output: Relay		
Power Supply	100 to 250V AC, 50 / 60 Hz smps		

## Key Operations

- 1) Press **SET** Key to enter in to an instrument.
- 2) Press **SET** Key to go to next parameter.
- 3) Use **▲** Or **▼** key to change value of parameter.
- 4) Press **ENT** Key to save change in setting
- 5) To start or stop Auto-Tuning press **▲** key for 6 sec.
- 6) Press **▲** Or **▼** key for 3 sec to go to factory setting mode.

POWER ON

8. 8. 8. 8.  
8. 8. 8. 8.

All digit segment will be turned ON for 3 sec

J  
I n P t

Previous or default sensor input will be display for 2 sec

0 1 2 3  
0 1 2 3

Process Value  
Set Value

UTC-122,222

POWER ON

8.8.8.8.  
8.8.8.8.

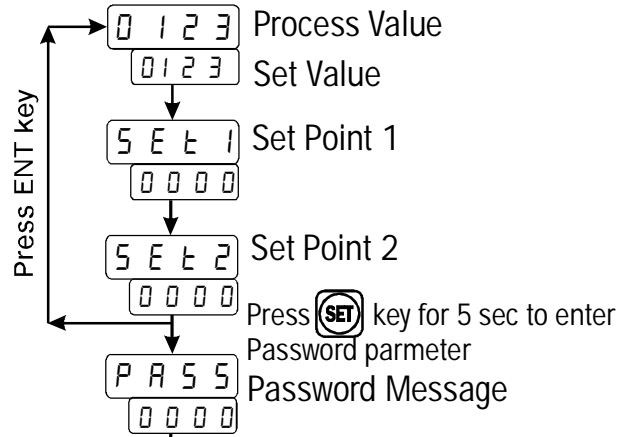
J  
I n P t

0 1 2 3  
0 1 2 3

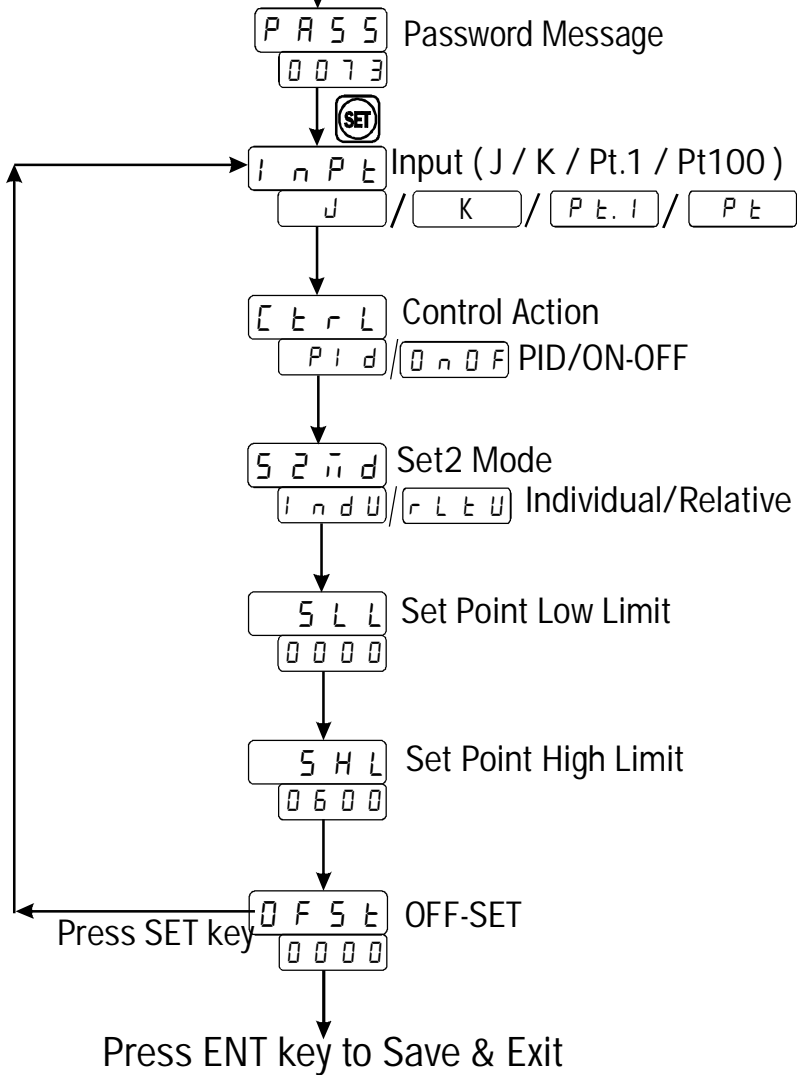
UTC-422

# SET POINT SETTING

# BASIC CONFIGURATION



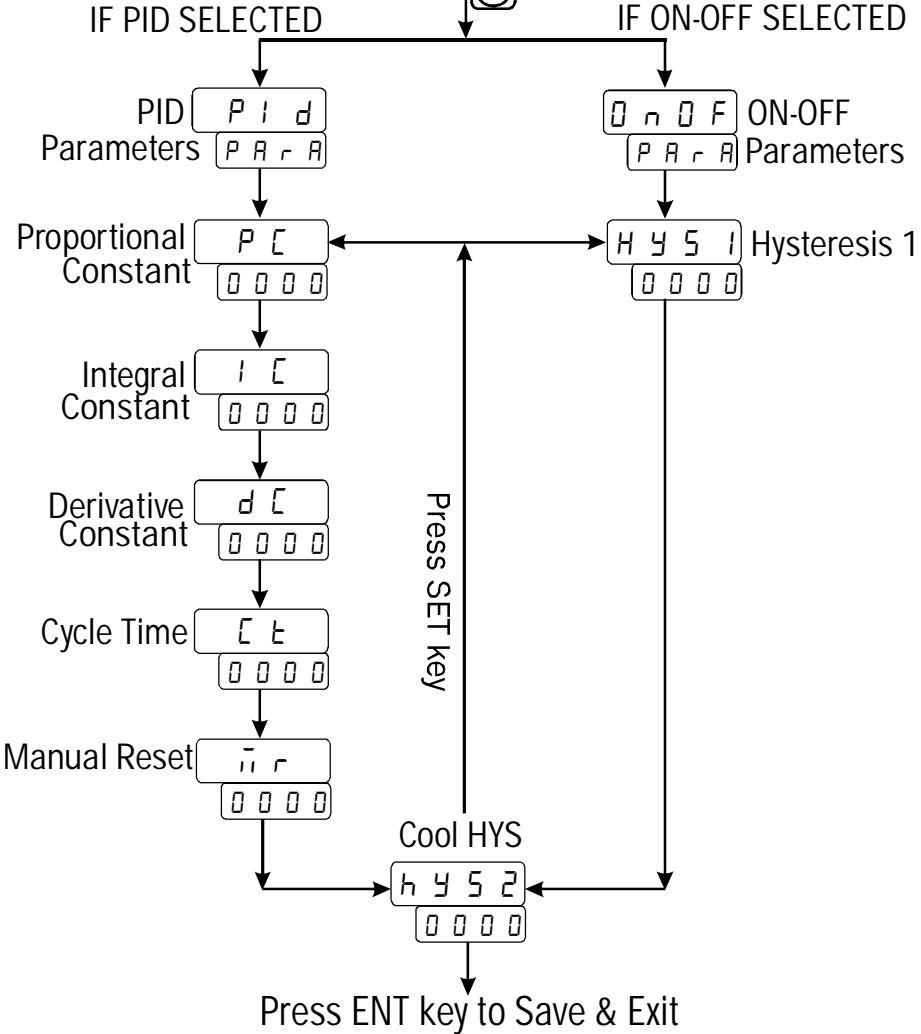
TO ENTER BASIC CONFIGURATION SETTING, ENTER "73"



# CONTROL PARAMETER

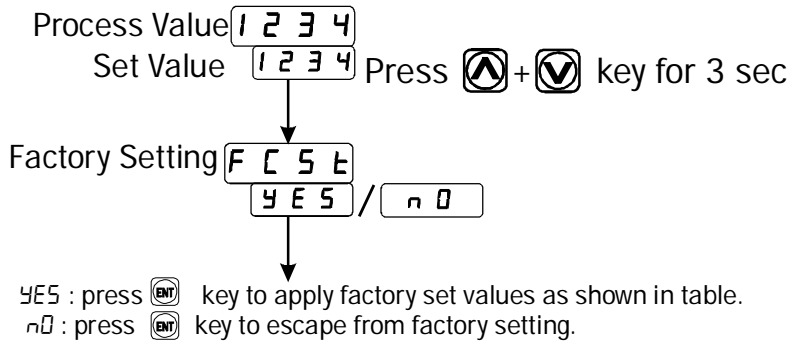
TO ENTER CONTROL  
PARAMETER  
SETTING, ENTER "37"

P A S S Password Message  
0 0 3 7  
SET



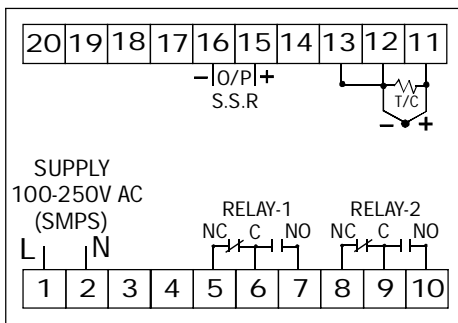
Sr.	Parameter	Range for J, K, PT100	Range for PT.1 sensor
1	PC	00.00 to 99.99	
2	IC	0.000 to 9.999	
3	DC	0 to 9999	
4	CT	4 sec to 99 sec	
5	MR	-9 to +9	-9.0 to +9.0
6	Hysteresis	1°C to 50°C	0.1°C to 50.0°C
7	Off-set correction	-20°C to +20°C	-20.0°C to +20.0°C

# FACTORY SETTING

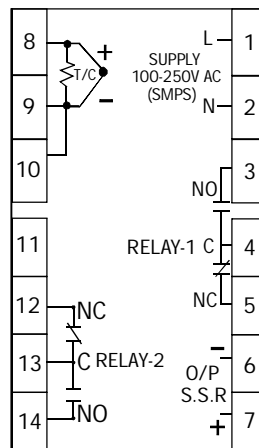


FACTORY SETTING		
SR.	PARAMETER	VALUES
1	PC	000.5
2	IC	0.225
3	DC	25
4	CT	6 sec
5	MR	0° C
6	OFFSET	0° C
7	HYSTERESIS	1° C

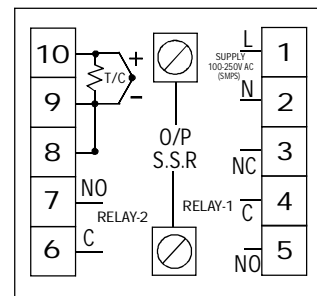
## 1) Connection Diagram



UTC 122



UTC 222



UTC 422