



Appreciating Quality Automation

We at “DOLPHIN AUTOMATION” thank you for the purchase of this product and assure you for our best services....always !

Digital Temperature Controller (4 SET POINTS)

TC-144

SENSOR. RTD (PT100)

Specifications:-

1. Display : 0.56” 7 segment(4 digit)
2. Range : -99.9 deg to 399.9 deg
3. Resolution : 0.1 deg (RTD)
4. Accuracy : +/- 0.5% (Full Scale)
5. Hysterisis : 0 to 99°C
6. OFFSET : -9.9 TO 9.9°C
7. Relay Action : Heat/ Cool Selectable
8. Control Action : ON/OFF

Terminal Connection

1-connect terminal of the controller according to the terminal connections

Set Point

Set Point 1 can be viewed by pressing SELECT KEY once
 Set Point 2 can be viewed by pressing SELECT KEY twice
 Set Point 3 can be viewed by pressing SELECT KEY thrice
 Set Point 4 can be viewed by pressing SELECT KEY four times
 Set Point can be changed by pressing SELECT KEY+UP/DOWN KEY together

Programming the Temperature Controller

Press UP & DOWN key together for 5 sec to enter programming mode

1.HYSTERISIS

System will show “Hy1” for one second and display current Hysterisis value as “Hxx”. (xx - range 0 to 9.9 deg C).use UP/DOWN key to change and store it with SELECT KEY

HYSTERISIS	DISPLAY RANGE
H	H0 TO H99

2. OFFSET MANUAL RESET

System will show “OFS” for one second and display current OF set value ..(Range -9.9 to 9.9 deg C). Use UP/DOWN key to change and store it with SELECT KEY.

OFFSET MANUAL RESET	DISPLAY RANGE
	-9.9 TO 99

3. RELAY ACTION

System will show the current relay action mode. (Either HEAT or COOL mode). Use UP/DOWN key to change and store it with SELECT KEY.

MODE	DISPLAY
HEAT	Ht
COOL	CL

4. FACTORY SET

System will show “FrO” . Use UP KEY to change the value to 1 and store it with SELECT KEY. It will bring all parameters to the default values.

FACTORY SET	DISPLAY
	0 or 1

5.SET POINT LIMIT

System will show “Lmt” for one second and display current set point limit. (Range -99.9 to 399.9 C). Use UP/DOWN key to change and store it with SELECT KEY.

SET POINT LIMIT	RANGE
	-99.9 C TO 399.9 C

NOTE: AT Config Process Temperature will not be displayed.

QUALITY CONTROL CERTIFICATE

Sr. No.

Q.C HEAD

TESTED BY

PREPARED BY