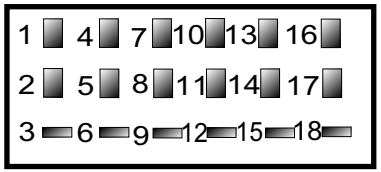
Terminal Connection With External Transformer

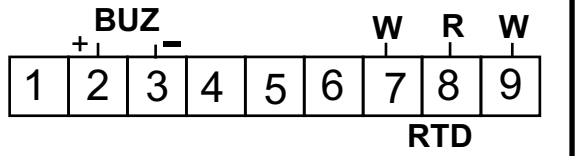
Model : 961OC I/P: RTD
Sr. No.:

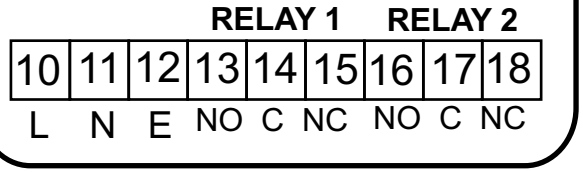


1:White wire of PT-100	12:"NO" of Relay 2
2:Red wire of PT-100	15:"COM" of Relay 2
4:White wire of PT-100	18:"NC" of Relay 2
3:"NO" of Relay 1	10:"0"VAC from X'mer
6:"COM" of Relay 1	13:"12"VAC from X'mer
9:"NC" of Relay 1	16:Buzzer "+Ve"
7:"12" VAC from X'mer	17:Buzzer "-Ve"

Terminal Connection With Internal Transformer

Model : 961OC I/P: RTD
Sr. No.:





Relay 1- For Temperature
Relay 2- For Timer

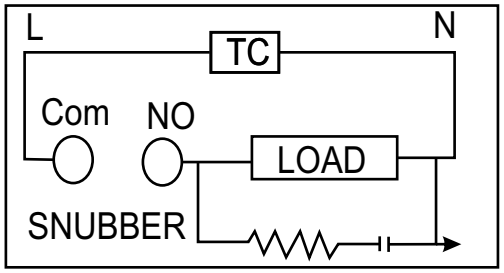
961OC

Please check the connections and switch on the mains supply. Display will show process as well as set temp. & timer. Power LED will glow. Relay Led will glow only on relay ON condition.

Trouble Shooting:

1. Sensor open indication : Display shows 'Err'
2. Sensor Reverse : If sensor not connected according to polarity temp. Goes on decreasing while heating
3. Not show proper temp.:Loose connection on terminal or calibration problem.
4. No Display : Check Main Connection.

Typical Connection For Load



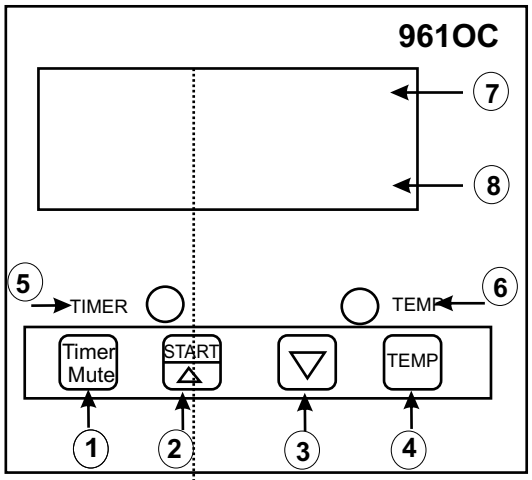
If load is greater than 1 Amp connect snubber across load.

Features:

1. Separate TIMER & TEMP. Adjustment possible.
2. Can be used for OVEN.
3. Error adjustment for sensor available.
4. 5Amp relay contacts for temp.& timer output.
5. Flush panel mounting in 96 X 96.

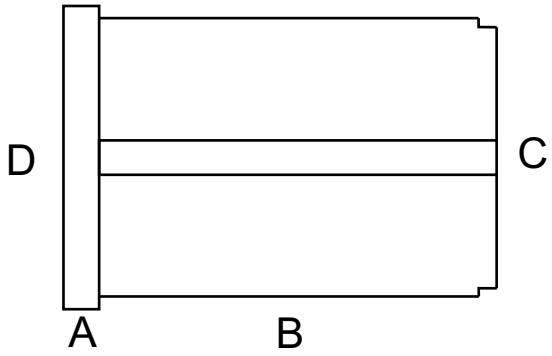
Specifications:

1. Input sensor : PT 100(RTD)
2. Differential : 0 to 99 deg.
3. Time Delay : 0 to 99 Min.
4. Sensor Error Adjustment: -99 to 99
5. Range : -99 to 400
6. Cut-out : 92 X 92mm
7. Power consumption: 10 VA max
8. Display : 5 digit, 7 seg red LED display, 7 seg green LED display
9. Alarm low, Alarm high Facility available.



1: Mute key & timer mode key
2: Increment key & start key
3: Decrement key
4: Temp key
5: Timer indication
6: Temperature indication
7: Red display for process Time & Temp.
8: Green display for Set Time & Temp.

SIDE VIEW



Model	A	B	C	D
96	12	118	88	96

Introduction of the Keys:

1.Timer / Mute key is to perform 2 functions:
   1. To set the timer
   2. To mute the alarm
2. Up arrow key for increment and for starting the timer. However the timer LED will glow once the timer is stopped completely.
3. Down key for decrement
4. TEMP key for setting the desired set temperature. The temp LED will be OFF once the process temp. Reaches the desired set temp.

Setting TIMER & TEMP.

Push timer/mute key timer set display will flash. Set it using Up & down arrow key to desired value. After setting push timer key again so as to save the value & then press start key timer will now start counting up or down depend on the adjustment done.
Now press temp. Key display will flash. Set it using Up & Down key to desired Value.
After setting press temp key again so as to save the value
Now temp LED will glow. It will be OFF only when the process temp reaches set temp.
The Red display shows Process value & Green display shows Set(desired) value & then just press the decrement key show the value for differential.

Logic Mode:

Press Timer/Mute & Temp. Key together to go into Logic mode.
Range Low rnL= -99[adjust to 00]
Range high rnH= 400[adjust to 350]
Alarm Low AmL= 00 to 20 [adjust to 00]
Alarm high AmH= 00 to 20 [adjust to 00]
Differential HyS=00 to 99 [adjust to 08]
Delay HTC = 00 to 99 [adjust to 04]
Time counting Tmc=Dn/Up [adjust dn]
Sensor Error ser = -99 to 99 [adjust to 00]