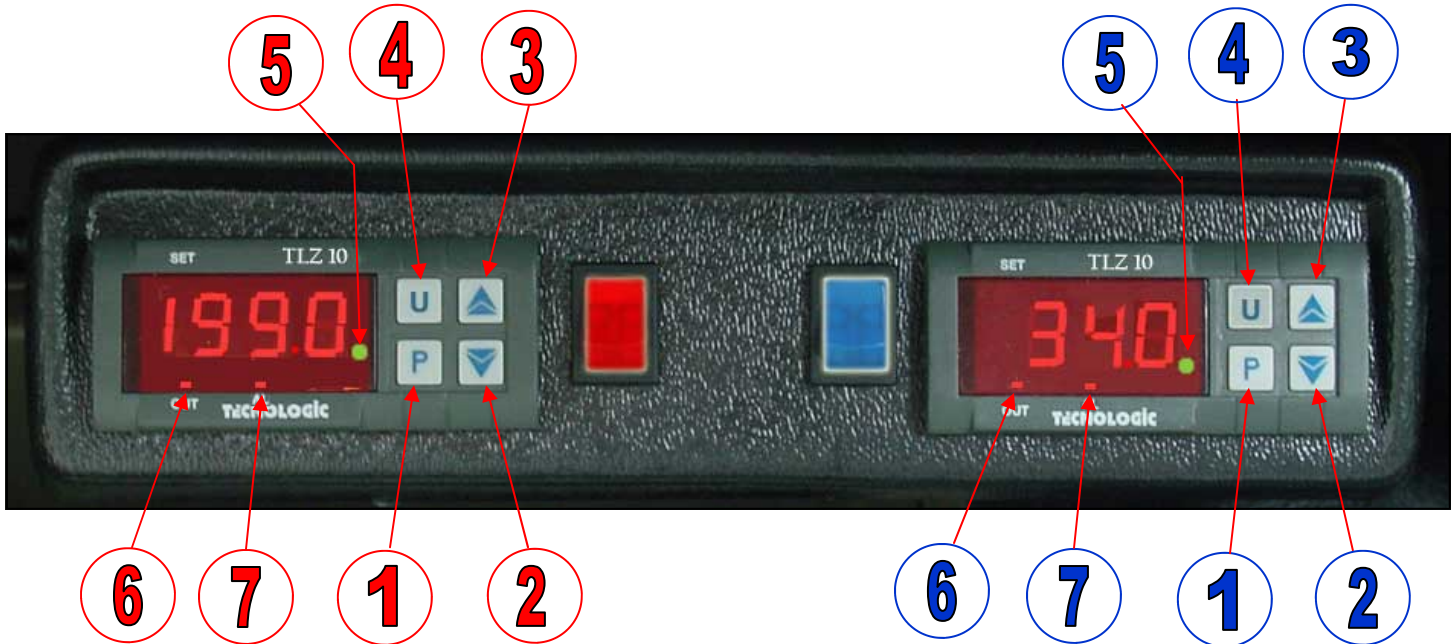


# TECNOLOGIC CONTROLLER INSTRUCTIONS—TLZ-10



## PROGRAMMING OVEN SET-POINT

1. Press key **P (1) and HOLD**, until green light appears.
2. Use arrows (3) UP or (2) DOWN until UNIT displays.
3. Press **P (1)**, then arrow UP or DOWN until F° displays.
4. Press **P (1)**, then arrow UP or DOWN until FUNC displays.
5. Press **P (1)**, then arrow UP or DOWN until HEAT displays.
6. Press **P (1)**, then arrow UP or DOWN until SP displays.
7. Press **P (1)**, then arrow UP or DOWN until 199.0° displays.
8. Press **P (1)**, then arrow UP or DOWN until SPHL displays.
9. Press **P (1)**, then arrow UP or DOWN until 199.0° displays.
10. Press **P (1)**, then arrow UP or DOWN until SPLL displays.
11. Press **P (1)**, then arrow UP or DOWN until 150.0 displays.
12. Press **P (1)**, then arrow UP or DOWN until HSEL displays.
13. Press **P (1)**, then arrow UP or DOWN until 5.0 displays.
14. Press **P (1)**, then arrow UP or DOWN until SENS displays. **EXIT** from the Set Programming mode occurs **AUTOMATICALLY** by not pressing any key for 5 seconds, thus the temperature process value will again be displayed.

### NOTE:

Press and Hold key (approximately 5 seconds) in step #1 only, All other steps press and release.

Delivery Concepts pre-sets all oven controllers at 199.0° degrees min/185 degrees max setting with +5 differential unless specified otherwise.

## PROGRAMMING REFRIGERATION SET POINT

1. Press key **P (1) and HOLD**, until green light appears.
2. Use arrows (3) UP or (2) DOWN until SPLL displays.
3. Press **P (1)**, then arrow UP or DOWN until 34.0° displays.
4. Press **P (1)**, then arrow UP or DOWN until SPHL displays.
5. Press **P (1)**, then arrow UP or DOWN until 39.0° displays.
6. Press **P (1)**, then arrow UP or DOWN until UNIT displays.
7. Press **P (1)**, then arrow UP or DOWN until F° displays.
8. Press **P (1)**, then arrow UP or DOWN until HSEL displays.
9. Press **P (1)**, then arrow UP or DOWN until +5.0 displays.
10. Press **P (1)**, then arrow UP or DOWN until FUNC displays.
11. Press **P (1)**, then arrow UP or DOWN until COOL displays.
12. Press **P (1)**, then arrow UP or DOWN until SP displays.
13. Press **P (1)**, then arrow UP or DOWN until 34.0° displays.
14. **EXIT** from the Set Programming mode occurs **AUTOMATICALLY** by not pressing any key for 5 seconds, thus the temperature process value will again be displayed.

### NOTE:

Press and Hold key (approximately 5 seconds) in step #1 only, All other steps press and release.

Delivery Concepts pre-sets all refrigerator controllers at 34.0° degrees min/39.0° degrees max setting with -5 differential unless specified otherwise.

## GUIDE TO NUMBERS ON DIGITAL CONTROL (RED & BLUE)

1. **KEY P** : Used for the set point setting and to program the functioning parameters.
2. **KEY DOWN** : Used to decrease the values to be set and for selecting parameters.
3. **KEY UP** : Used to increase values to be set or to select parameters.
4. **KEY NOT USED.**
5. **Led Set** : Indicates the input in programming mode and the programming level of the parameters. It also serves to indicate the Stand-by status.
6. **Led OUT** : Indicates the control output status (or the temperature control device) on (on), off (off) or inhibited (flashing).
7. **Led AL** : Indicates the alarm status on (on), off (off) or silenced (flashing).

# TECNOLOGIC CONTROLLER INSTRUCTIONS—TLZ-10

## Programmable Parameters Table

Here below is a description of all the parameters available on the instrument. Some of them may not be present, either due to the fact they depend on the type of instrument or because they are automatically disabled as unnecessary.

Parameter	Description	Range	Def.	Note	
1	<b>SPLL</b>	Minimum Set Point	-58.0 + SPHL	-50.0	
2	<b>SPHL</b>	Maximum Set Point	SPLL + 302.0	100.00	
3	<b>SEnS</b>	Probe Type	Ptc - ntc	Ptc	
4	<b>OFS</b>	Probe Calibration	-30.0 + 30.0 °C/°F	0.0	
5	<b>Unit</b>	Unit of measurement	°C - °F	°C	
6	<b>dP</b>	Decimal point	On - OFF	On	
7	<b>FIL</b>	Measurement filter	OFF + 20.0	2.0	
8	<b>HSEt</b>	Differential	0.0 + 30.0	2.0	
9	<b>tonE</b>	Activation time output OUT for probe broken	OFF + 99.59 min.sec	OFF	
10	<b>toFE</b>	Deactivation time output OUT for probe broken	OFF + 99.59 min.sec	OFF	
11	<b>Func</b>	Function mode output OUT	HEAt -Cool	Cool	
12	<b>PSC</b>	Type of compressor protection: 1=delay at switch on 2=delay after switch off 3=delay between starts	1 - 2 - 3	1	
13	<b>PtC</b>	Compressor protection time	OFF + 99.59 min.sec	OFF	
14	<b>od</b>	Delay at power on	OFF + 99.59 min.sec	OFF	
15	<b>HAL</b>	Relative High Temperature Alarm threshold	OFF + 100.0 °C/°F	OFF	
16	<b>LAL</b>	Relative Low Temperature Alarm threshold	OFF + 100.0 °C/°F	OFF	
17	<b>dAL</b>	Temperature Alarms Differential	0.0 + 30.0 °C/°F	2.0	
18	<b>ALd</b>	Temperature Alarms delay	OFF + 99.59 min.sec	OFF	
19	<b>PAL</b>	Temperature Alarms delay at power on	OFF + 24.00 hrs.min	2.00	
20	<b>USrb</b>	Function mode key U: OFF=No Function 1=ON/STAND-BY	OFF / 1	OFF	
21	<b>diF</b>	Function and Function logic of digital input: 0, 1, 2 = No Function 3=External alarm	-3 / -2 / -1 / 0 / 1 / 2 / 3	0	
22	<b>PASS</b>	Access Password to parameter functions	OFF + 9999	OFF	
23	<b>SP</b>	Set Point	SPLL + SPHL	0.0	

**Problems, Maintenance and Warranty**  
**Error Signaling**

Error	Reason	Action
<b>E1</b> <b>-E1</b>	The probe may be interrupted or in short circuit, or may measure a value outside the range allowed	Check the correct connection of the probe with the instrument and check that the probe works correctly.
<b>EEPr</b>	Internal memory error	Check and if necessary re-program the parameters function.

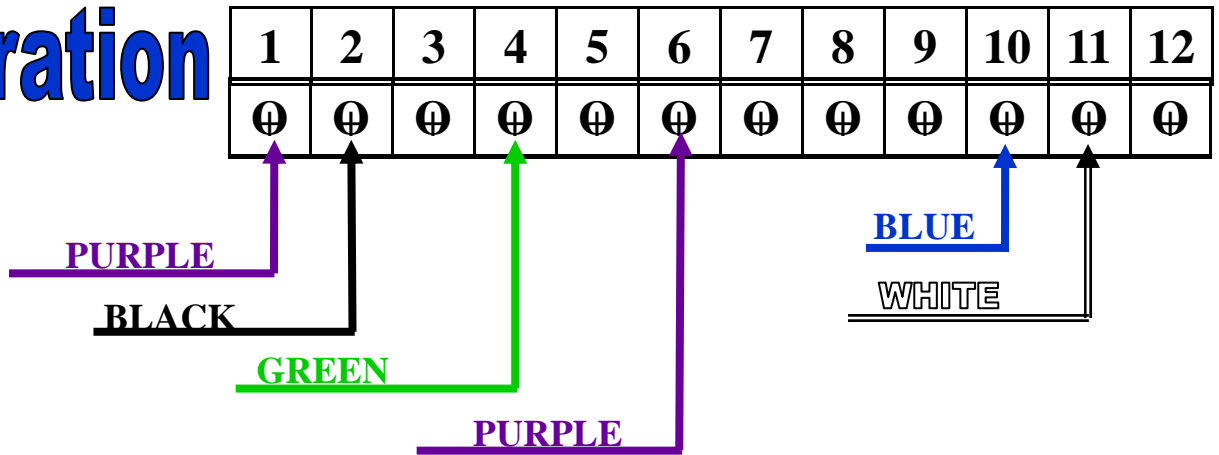
In probe error status, the output OUT behaves as set by the parameters “**tonE**” and “**toFE**”

**Other Signaling**

Message	Reason
<b>od</b>	Delay in switching on in progress
<b>HI</b>	Maximum temperature alarm in progress
<b>LO</b>	Minimum temperature alarm in progress
<b>AL</b>	Digital input alarm in progress

**COLOR CODE GUIDE FOR WIREING TO DIGITAL TERMINALS**

**Refrigeration**



**Oven**

