

INPUT / OUTPUT CONFIGURATION PARAMETERS : PAGE-12

Parameters	Settings (Default Value)
Input Type INPT	Refer Table 1 (Default : Type K)
Control Logic CLOG	REU Reverse DIR Direct (Default : Reverse)
Setpoint Low SPLD	Min. Range to Setpoint High for the selected Input type (Default : Min. Range for the Selected Input Type)
Setpoint High SPHI	Setpoint Low to Max. Range for the selected Input type (Default : Max. Range for the Selected Input Type)
Offset For PV OFSE	-1999 to 9999 or -199.9 to 999.9 (Default : 0)
Digital Filter For PV FILT	0.5 to 25.0 Seconds (in steps of 0.5 Seconds) (Default : 1.0)
Control Output Type COP	RLY Relay (Default) SSR SSR
Output-2 Function Selection OP2F	none None (Default) ALrn Alarm Ctrl Control BLDR Blower SSOP Soak Start Output
Output 2 Type OP2t	RLY Relay(Default) SSR SSR

CONTROL PARAMETERS : PAGE-10

Parameters	Settings (Default Value)
Control Mode Ctrl	OnOff On-Off PID PID (Default)
On-Off Hysteresis HYS	1 to 999 or 0.1 to 99.9 (Default : 2 or 0.2)
Compressor Time Delay dLY	0 to 600 Sec. (in steps of 0.5 Sec.) (Default : 0)
Cycle Time ct	0.5 to 120.0 Seconds (in steps of 0.5 Seconds) (Default : 20.0 Sec)

Parameters	Settings (Default Value)
Proportional Band Pb	0.1 to 999.9 (Default : 10.0)
Integral Time It	0 to 1000 Seconds (Default : 100 Sec)
Derivative Time dt	0 to 250 Seconds (Default : 25 Sec)

OUTPUT-2 FUNCTION PARAMETERS : PAGE-11

OP2 Function : Alarm	
Parameters	Settings (Default Value)
Alarm Type ALrn	P_Lo Process Low P_Hi Process High dEu Deviation Band bAnd Window Band EoS End of Soak (Default : Process Low)
Alarm Inhibit ALih	YES Yes no No (Default : Yes)
Alarm Logic ALLO	norm Normal REU Reverse (Default : Normal)
Alarm Timer ALt	5 to 250 (Default : 10)

OP2 Function : Control	
Parameters	Settings (Default Value)
Hysteresis HYS2	1 to 999 or 0.1 to 99.9 (Default : 2 or 0.2)
Control Logic LOG2	norm Normal REU Reverse (Default : Normal)

OP2 Function : Blower	
Parameters	Settings (Default Value)
Blower / Compressor Hysteresis BLHY	1 to 250 or 0.1 to 25.0 (Default : 2 or 0.2)
Blower / Compressor Time Delay dLY	0 to 600 Sec. (in steps of 0.5 Sec.) (Default : 0)

SUPERVISORY PARAMETERS : PAGE-13

Parameters	Settings (Default Value)
Self-tune Command tUNE	YES Yes no No (Default : No)
Overshoot Inhibit Enable / Disable OSH	dSbL Disable EnbL Enable (Default : Disable)
Overshoot Inhibit Factor OIF	1.0 to 2.0 (Default : 1.2)
Setpoint Editing Permission on Operator Page SPOP	dSbL Disable EnbL Enable (Default : Enable)
Soak Abort Command on Operator Page SOXA	dSbL Disable EnbL Enable (Default : Enable)
Soak Time Adjustment on Operator Page SOXt	dSbL Disable EnbL Enable (Default : Enable)

OPERATOR PARAMETERS : PAGE-0

OP2 Function : Alarm	
Parameters	Settings (Default Value)
Soak Start Command Strt	no No YES Yes (Default : No)
Soak Abort Command Abrt	no No YES Yes (Default : No)
Soak Time SoXt	00.05 to 60.00 M:S or 00.05 to 99.55 H:M 1 to 999 Hours (Default : 3 or 0.3)
Alarm Setpoint ALSP	Minimum to Maximum Range specified for the selected Input Type (Default : 0)

Parameters	Settings (Default Value)
Alarm Deviation ALdE	-1999 to 9999 or -199.9 to 999.9 (Default : 3 or 0.3)
Alarm Band ALbA	3 to 999 or 0.3 to 99.9 (Default : 3 or 0.3)

OP2 Function : Control	
Parameters	Settings (Default Value)
Auxiliary Control Setpoint SP2	(Min. Range - SP) to (Max. Range - SP) (Default : 0)

OP2 Function : Blower	
Parameters	Settings (Default Value)
Blower Control Setpoint BLSP	0.0 to 25.0 (Default : 0)

Control Setpoint (SP) Locking	
Parameters	Settings (Default Value)
Setpoint Locking SLOC	YES Yes no No (Default : No)

SOAK TIMER PARAMETERS : PAGE-15

Parameters	Settings (Default Value)
Soak Timer Enable SEnb	no No YES Yes (Default : No)
Time Units UnIt	nnSS Min:Sec HHnn Hours:Min HoUr Hours (Default : Min: Sec)
Soak Time SoXt	00.05 to 60.00 Min:Sec 00.05 to 99.55 Hrs:Min 1 to 999 Hours (Default : 00.10 Min:Sec)
Soak start Band Sbnd	0 to 9999 or 0.0 to 999.9 (Default : 5 or 0.5)
Holdback Strategy HOLd	none None UP Up dn Down both Both (Default : None)

Parameters	Settings (Default Value)
Hold Band Hbnd	1 to 9999 or 0.1 to 999.9 (Default : 5 or 0.5)
Switch-off Control Output At Timer End OPDF	no No YES Yes (Default : No)
Power-fail Recovery Method PrFL	Cont Continue Strt (Re)Start Abrt Abort (Default : Continue)

TABLE 1

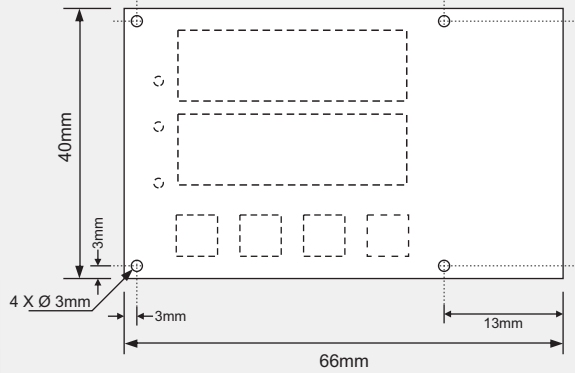
Option	What it means	Range (Min. to Max.)	Resolution
tc_d	Type J Thermocouple	0 to +960°C	1
tc_K	Type K Thermocouple	-200 to +1375°C	1
rtd	3-wire, RTD Pt100	-199 to +600°C	1
rtd.1	3-wire, RTD Pt100	-199.9 to +600.0°C	0.1

FRONT PANEL LAYOUT

Display Board

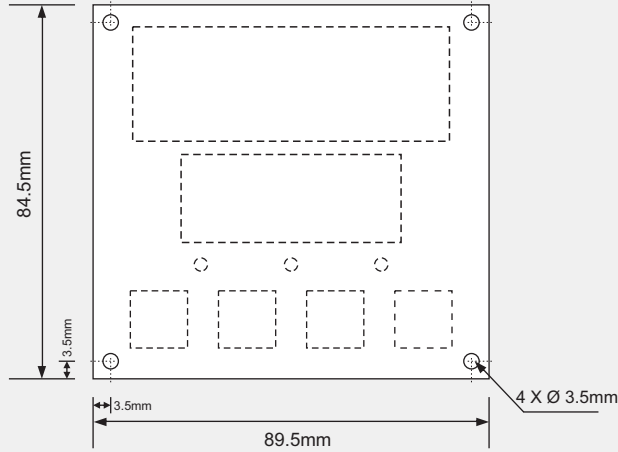
Small Display Version

0.39" height, 4 Digit, Upper Row
0.39" height, 4 Digit, Lower Row

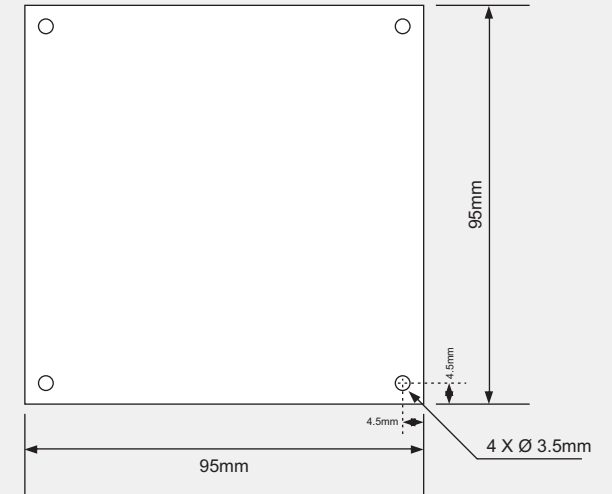


Large Display Version

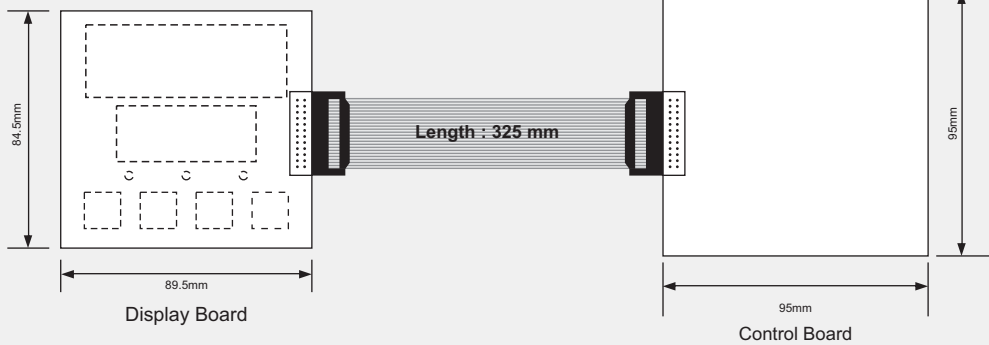
0.80" height, 4 Digit, Upper Row
0.56" height, 4 Digit, Lower Row



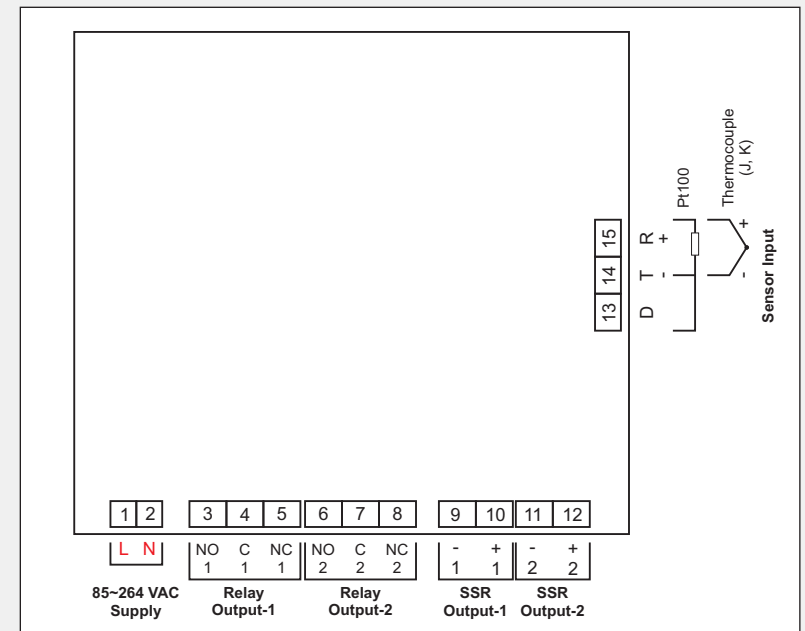
Control Board



Layout



ELECTRICAL CONNECTIONS



Keys Operation

Symbol	Key	Function
	PAGE	Press to enter or exit set-up mode.
	DOWN	Press to decrease the parameter value Pressing once decreases the value by one count; holding pressed speeds up the change.
	UP	Press to increase the parameter value Pressing once increases the value by one count; holding pressed speeds up the change.
	ENTER	Press to store the set parameter value and to scroll to the next parameter on the PAGE.

PV Error Indications

Message	PV Error Type
	Over-range (PV above Max. Range)
	Under-range (PV below Min. Range)
	Open (Thermocouple / RTD broken)