

# Clavex Pro

Enhanced  
Autoclave Sterilization Controller

# Operation Manual

This brief manual is primarily meant for quick reference to wiring connections and parameter searching. For more details on operation and application; please log on to [www.ppiindia.net](http://www.ppiindia.net)

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OPERATOR PARAMETERS : PAGE 0	
Parameters	Settings (Default Value)
Control Setpoint SP	Setpoint Low Limit to Setpoint High Limit (Default : 121.0)
Air Outlet Setpoint ArSP	Setpoint Low Limit to Setpoint High Limit (Default : 100.0)
Soak Time SoPt	1 to 999 Minutes (Default : 20)
High Alarm Deviation Setpoint ALSP	1 to 10 or 0.1 to 10.0 (Default : 5.0)
Fail-Safe Deviation Setpoint SFSP	3 to 20 or 0.3 to 20.0 (Default : 10.0)
Cycle Abort Command Abrt	no No YES Yes
Cycle Abort Pass Code Code	0 to 250 (Default : 0)

I/O CONFIGURATION PARAMETERS : PAGE 10	
Parameters	Settings (Default Value)
Input Type InPt	RTD Pt100, 1°C RTD Pt100, 0.1°C (Default: RTD Pt100, 0.1°C)
Hysteresis HYSE	1 to 999°C or 0.1 to 999.9°C (Default : 0.2)
Setpoint Low Limit SPLo	Min. Range for the selected Input Type to Setpoint High (Default : 90.0)
Setpoint High Limit SPHi	Setpoint Low to Max. Range for the selected Input Type (Default : 150.0)
Units for Pressure Unit	Kg/cm² PSI (Default : Kg/cm²)

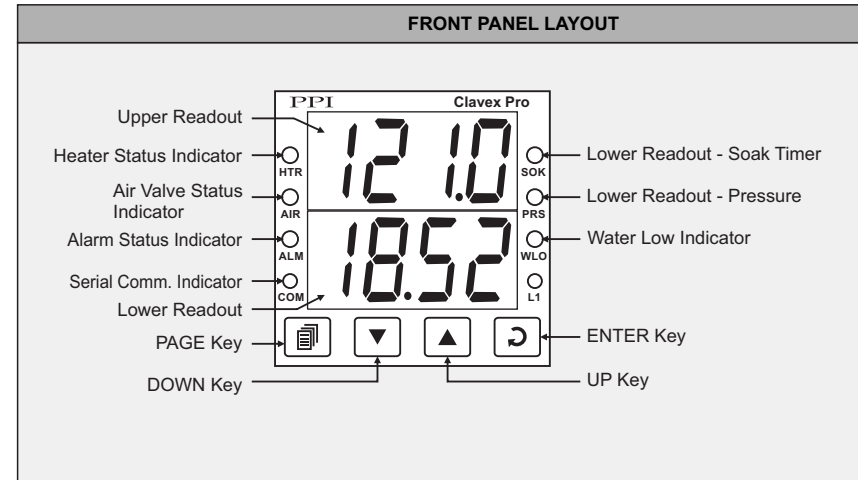
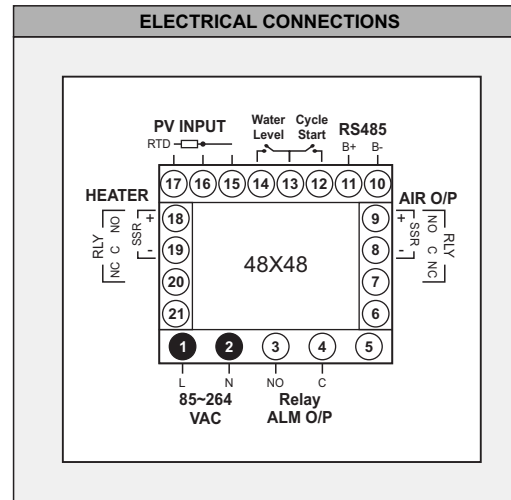
SOAK TIMER PARAMETERS : PAGE 15	
Parameters	Settings (Default Value)
Soak Time SoPt	1 to 999 Minutes (Default : 20)

Parameters	Settings (Default Value)
Timer-Start Band Sbnd	1 to 5 or 0.1 to 5.0 (Default : 1.0)
Holdback Strategy HOLD	none None UP Up dn Down both Both (Default : Down)
Hold Band Hbnd	1 to 5 or 0.1 to 5.0 (Default : 1.0)
End-of-Soak Alarm Time EOST	5 to 250 Sec. (Default : 10 Sec.)
Power-fail Recovery Method PrFL	Abrt Abort Strt (Re)Start Cont Continue (Default : Continue)

SUPERVISORY PARAMETERS : PAGE 11	
Parameters	Settings (Default Value)
Offset for Temperature Value OFSE	-1999 to 9999 or -199.9 to 999.9 (Default : 0.0)
Digital Filter for Temperature Value FLTR	0.5 to 25.0 Seconds in steps of 0.5 Seconds (Default : 1.0)
Operator Parameter Locking OPrL	no No YES Yes (Default : No)
Pass Code for Cycle Abort Code	1 to 250 (Default : 22)
Slave ID id	1 to 127 (Default : 1)
Baud Rate BAUD	48 4800 96 9600 192 19200 (Default : 9600)

Parameters	Settings (Default Value)
Parity PRr	none None Even Even Odd Odd (Default : Even)
Communication Write Enable ConE	no No YES Yes (Default : Yes)
Water Level Switch Logic LLG	OPEN Open CLOSE Close (Default : Open)
Pressure View PSEn	dsbl Disable Enbl Enable (Default : Enable)

ADDITIONAL CONTROL PARAMETER : PAGE 50	
Parameters	Settings (Default Value)
Setpoint Offset SPDF	0.0 to 10.0 (Default : 0.0)



### Keys Operation

Symbol	Key	Function
[PAGE]	PAGE	Press to enter or exit set-up mode.
[DOWN]	DOWN	Press to decrease the parameter value. Pressing once decreases the value by one count; keeping pressed speeds up the change.
[UP]	UP	Press to increase the parameter value. Pressing once increases the value by one count; holding pressed speeds up the change.
[ENTER]	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
Or	Over-range (PV above Max. Range)
Ur	Under-range (PV below Min. Range)
OPEN	Open (Sensor open / broken)