



Features

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| ➤ Independent Air Purging and Sterilization Setpoint | ➤ RTD : Pt-100 Temperature Input |
| ➤ Input Signal Conditioning (Digital Filter & Zero Offset) | ➤ F0 calculation at the end of Sterilization |
| ➤ Independent Outputs for Air Outlet & Steam Control | ➤ High Temperature Safety Alarm |
| ➤ Drying facility to avoid high outrush of pressure | ➤ Optional Serial Communication Port |
| ➤ Sterilization Timer with Guaranteed Soak Time | ➤ Water Level Switch Input |
| ➤ Front / Remote Sterilization Cycle Start Command | ➤ Universal supply voltage (90 to 270 VAC) |
| ➤ Automatic Cycle Abortion at High Temperature Limit | ➤ 24 VDC Available on Request |
| ➤ Computed Saturated Steam Pressure Display | |

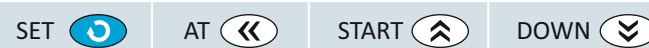
Technical Specifications

Input Specification

Input 1	RTD - Pt-100
Resolution (Input 1)	Pt-100 - 0.1°C
Input 2	4-20 mA, 0-10 V
Resolution (Input 2)	0 / 0.1 / 0.01 / 0.001
Accuracy	0.3% FS
Temperature Unit	°C
Sampling Rate	250msec

Keys

4 Controlling keys for configuration and operation



Auxiliary Supply Specification

Supply Voltage	90 - 270 VAC (24 VDC Available on Request)
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Make In India



Accurate



Reliable



Affordable



User Friendly

Display Specification

Digits	Dual 4 Digits 7 Segment LED Display
LED Indication	HTR - Heater Output Status P/E - Purge / Exhaust Status ALM - Alarm Output Status LWL - Low Water Level Status AT - Auto Tune Status ST - Soak Timer Running Status SP - LDSP will show SP1 PR - LDSP will show Pressure ST, SP, PR - All Off LDSP will show Input 2 value
Height	0.80" PV (White) 0.56" SV (Green)

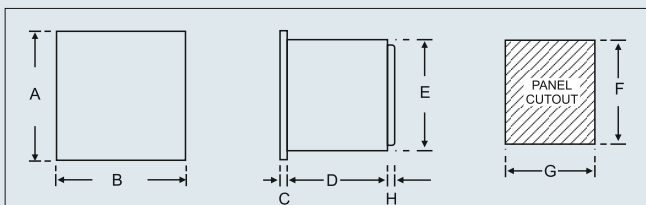
General Description

Weight (Gms)	340
Enclosure	Molded ABS
Color	Black
Accessories	1 Pair of Mounting clamp
Terminal Cable Size	Barrier Type terminal cable Size (2.5 mm ²)

Environmental Specification

Temperature	Operating - 0 to 50°C
Storage	-20° to 75°C
Humidity	95% RH (Non-condensing)

Mechanical Dimensions



Mechanical Dimensions

Dim Model	A	B	C	D	E	F	G	H
VA-Clave	96	96	10	65	89	92	92	9

Functional Specification

Hold Back Strategy	UP / Down / Both
Power Fail Recovery	Abort / continuous / Repeat
Pressure Unit	PSI / Kgcm
Serial Communication	RS-485 / Half Duplex
Protocol	Modbus RTU
Excitation Voltage	5V / 10V / 12V / 24V Jumper Selectable

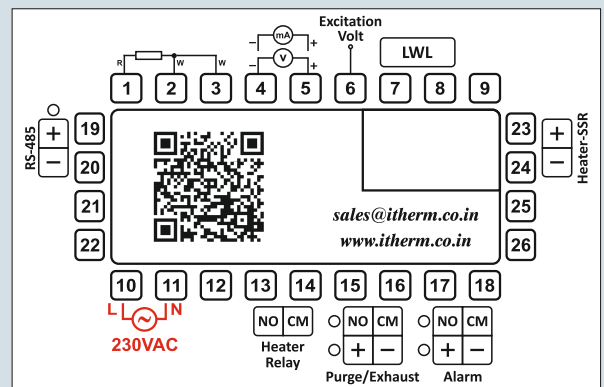
Output Specification

Heater Output	Relay / SSR Drive (factory Set)
Purge / Exhaust Output	Relay / SSR Drive (Factory Set)
Alarm Output	Relay / SSR Drive (Factory Set)
Relay	5A @ 250 VAC / 30 VDC
SSR Drive	12 VDC @ 30mA

Certification

None

Terminal Diagram



VA-Clave

Order Code : VA-Clave

Size	O/P1 - Heater	O/P2 - P/E	O/P3 - Alarm	Communication	Excitation	Supply
9 (96X96X65)	0 (None)	0 (None)	0 (None)	0 (None)	5 (05 VDC)	A (90 ~ 270 VAC)
	1 (Relay)	1 (Relay)	1 (Relay)	B (RS-485)	10 (10 VDC)	D (24 VDC)
	2 (SSR)	2 (SSR)	2 (SSR)		12 (12 VDC)	
					24 (24 VDC)	

Example : VA-Clave-111-B24A

Size	O/P1 - Heater	O/P2 - P/E	O/P3 - Alarm	Communication	Excitation	Supply
99	1	1	1	B	24	A
9 (96X96X65)	1 (Relay)	1 (Relay)	1 (Relay)	B (RS-485)	24 (24 VDC)	A (90 ~ 270 VAC)

Temperature Input

Sensor Input	Range	Resolution	Accuracy
Pt-100 (RTD.1)	0.0 ~ 150.0°C	0.1°C	±0.3°C

Pressure Input

Sensor Input	Range	Resolution
0 ~ 10 V	-1999 ~ 9999	0 / 0.1 / 0.01 / 0.001
4 ~ 20 mA	-1999 ~ 9999	0 / 0.1 / 0.01 / 0.001