ProCON ALPHA **ProCON mini**

PROCESS CONTROLLER

Surya Insts

FEATURES:

- Panel & Wall Mount
- 4 Relay Outputs
- LED Indication for Output Relay Status
- Transmitter Supply
- Retransmission Output
- RS-485 Communication MODBUS RTU Protocol
- Flame Proof Enclosure, IP65

Power Supply Specifications

Range	90 – 265 VDC/VAC, 50 Hz/60Hz
(Other options on request – 12VDC, 24VDC, 48VDC, etc)	

Input Specifications

Options	**Range**
Current	4–20 mA, 0–20 mA
Voltage	0-1 V, 0–5 V, 1–5 V, 0–10 V, 2–10 V
(Other options on request)	

Output Specifications

Outputs	
O1	1NO + 1NC
O2	1NO
O3	1NO
O4	1NO
SSR drive outputs on request	

Indication Specifications

Accuracy	
Current	+/- 0.1 % of FSD
Voltage	+/- 0.1 % of FSD
Effect of Ambient Temp.	+/- 0.005 % of FSD / ˚C.
Range	0.0 – 100.0 %
Resolution	0.1 %
Display	
Upper & Lower	4 Digit, 7 Segment 0.56” RED LED
Status LEDs	4 LEDs for Relay Status
Input Open Indication	Displays **OPEN** (only for 4-20 mA I/p)

Programmable Parameters

Parameter	**Range/Options**
Decimal Point	1, 0.1, 0.01, 0.001
Set Points	SET 1, SET 2, SET 3, SET 4
Hysteresis*	1-250 counts
Output Function* *(Refer Output Functions Section)*	1. No Output 2. Reverse 3. Direct 4. Alarm High 5. Alarm Low 6. Deviation High 7. Deviation Low 8. Deviation Band High 9. Deviation Band Low
Output Delay Function *(Refer Delay Functions Section)*	1. No Delay 2. Power-On Delay 3. On Delay
Output Delay*	0-240 seconds
Low Scale	-1999 to 1000 counts
High Scale	0 to 9999 counts
Shift Adjustment*	+/- 100 counts
Device Address (RS485)	1-31

****Unique value settable for each output/variable***

Environment Specifications

Storage Temperature	-20 ˚C – 70 ˚C
Operating Temperature	0 ˚C – 50 ˚C
Humidity	0-95 %rH non-condensing

Mechanical Specifications & Dimensions

Mounting	Panel Mount, Wall Mount
Enclosure	ABS Plastic/ IP65/ Flame Proof
Weight (Approx.)	250 g
Dimensions (in mm)	96(W) * 96(H) * 75(D)

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PROCESS CONTROLLER

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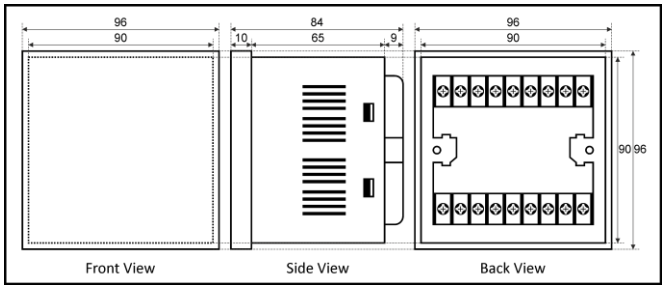
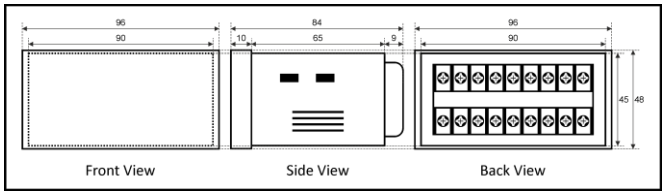
ABS Plastic Enclosure Dimensions

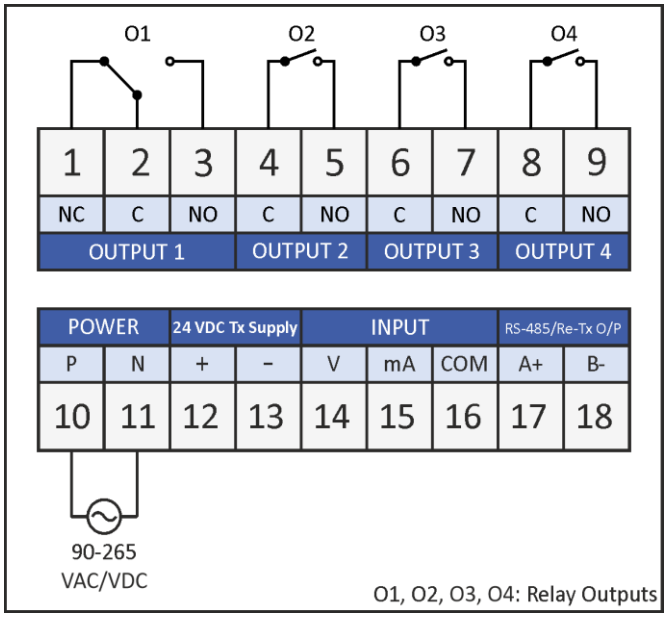
PROCON ALPHA:



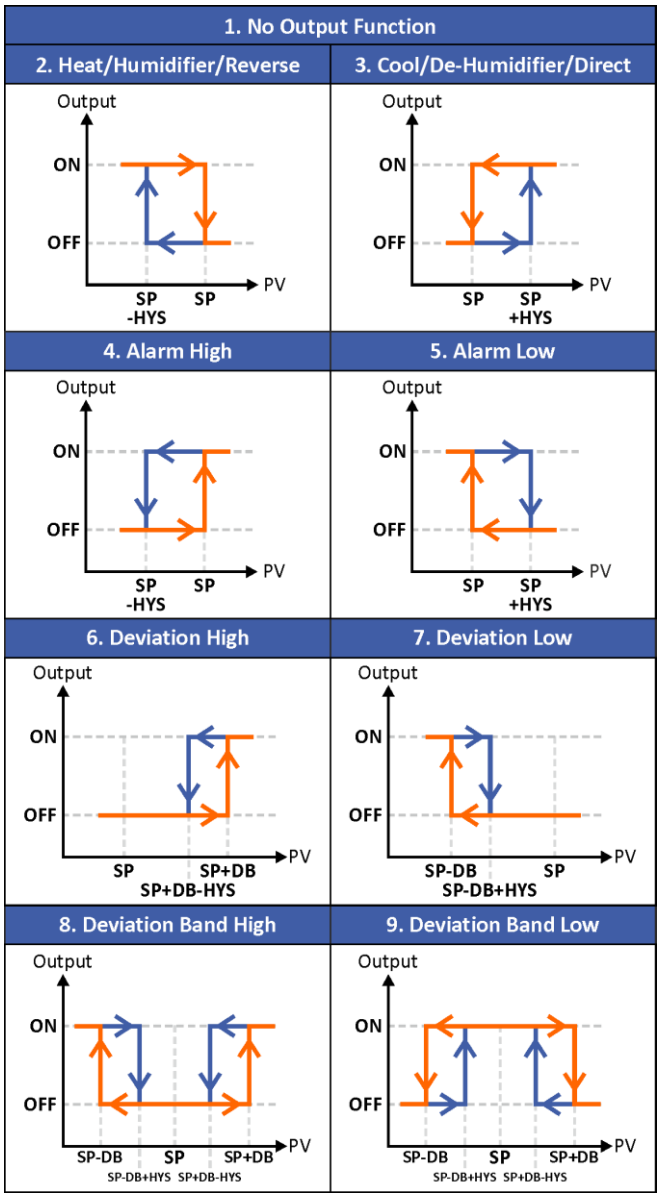
PROCON mini:



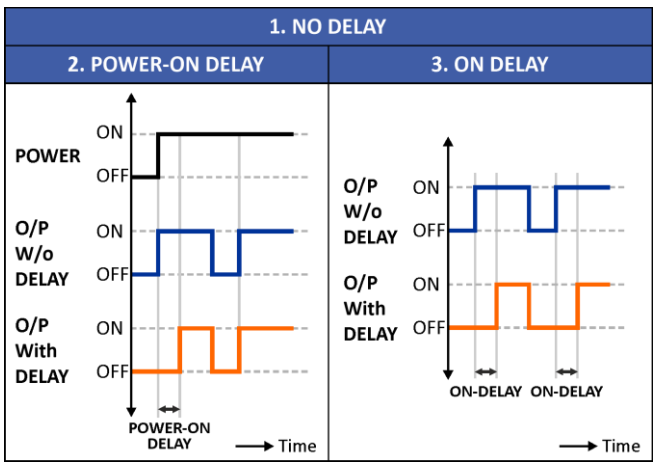
Terminal Connections



Output Functions



Output Delay Functions



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