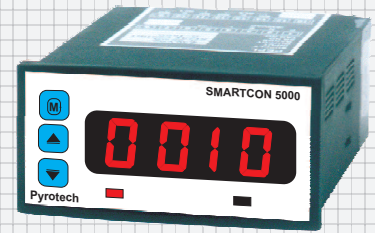




**SMARTCON-2000**



**SMARTCON-4000**



**SMARTCON-5000**

## SPECIFICATIONS

Model No.	SMARTCON-2000	SMARTCON-4000	SMARTCON-5000
Type	Universal Input		
Input	T/C : (J,K,R,S,N,E,T)		
	RTD : PT-100		
	mA : 4-20 mA		4-20 / 0-20 with Liner or square root
	0-1/ 0-10 / 1-5 V DC	0-1/ 0-10 / 1-5 V DC	0-5/ 0-10 / 1-5 / -10 to +10 V DC
Display	7 Segment		
No. of Digit	4 Digit, Red LED display, 0.56" Height		
	Individual Red LED to indicate relay status & set point selection		
Output	Upto two set point with relay output (Optional)		
Rating	6 Amp./250 VAC		
Controls	SET,UP,DN,ENTER Keys for operation, programming & calibration.		
General Specification			
ACJC	Inbuilt & Automatic for T/C		
Calibration	Through Software of individual I/Ps		
Accuracy	0.15% of span, ± 1 Digit		0.1% of span, ± 1 Digit
Linearity	± 0.1% of span		
Response Time	Within 1 Second.		
Insulation Resistance	200 MΩ at 1000 V DC		
Burn Out Protection	Upscale		
Retransmission O/P	-	4-20 mA DC (Optional)	0-20/4-20 mA / 1-5 VDC/0-10DC (Optional)
Auxiliary Supply	-		24 V DC (Optional)
Installation			
Power Supply	110 / 230 V AC ±10%, 50 Hz (Any One)		90- 270 VAC, 50 Hz (SMPS)
Ambient Temp.	0-60°C		
Humidity Temp.	5 - 95% Rh		
Mounting	Flush Panel		
Housing	ABS Plastic		
Terminals	Screw Terminal		
Bezel Size	48(H) X 96(W) mm	96(H) X 96(W) mm	48(H) X 96(W) mm
Cutout Size	44(H) X 92(W) mm	92(H) X 92(W) mm	44(H) X 92(W) mm
Weight	Approx. 1Kg.		Approx. 450 g.



**CON-10**



**DIC-990**



**42C-11..(µP Based)**

## SPECIFICATIONS

Model No.	LCOUNT-1	DIC-990(µP based)	DIC-990A(µP based)	42C – 11..(µP based)
Input	T/C : J,K (Any One) (Accuracy : ±0.5%)	T/C : J,K,R,S,N,E,T		UNIVERSAL
	RTD : PT-100 (Accuracy : ±0.5%)	RTD,PT-100 (0-400°C)		THERMOCOUPLES (E,J,K,T,B,R,S)
	Current : AC / DC (Accuracy : ±0.25%)	mA :4-20 mA		RTD : PT 100
	Volt : AC / DC (Accuracy : ±0.25%)	Resistance		mA : 4-20 mA DC
	Frequency (Accuracy : ±0.1%, ±1 LSB) Resistance (Accuracy : ±0.5%)	-		Volt : 0-5 VDC /1-5 VDC
Display	7 Segment	7 Segment		7 Segment
No. of Digit	3½ & 4½ Digit,	4 Digit		4 Digit
Display Colour	RED/Green Led Display	RED Led Display		Red for PV & Green for SV
Display Height	0.56"	0.56"		0.56" for PV & 0.3" for SV
Output	Relay Change Over Contact	Upto 8 Set point	Upto 4 Set point	Upto 3 Set Point
Rating	6 Amp.,250 VAC	1 Amp.,230 VAC		
Controls Mode	ON / OFF	ON / OFF		SET,UP,DN,ENTER Keys For Operation
<b>General Specification</b>				
ACJC	Provided (for T/C I/P Only)	Inbuilt & Automatic for T/C I/P		Provided for T/C
Calibration	Zero & Span are adjustable by two individual trim pots.	Through Software of Individual I/P		Through Front Panel Keys ,No trim pots
Accuracy	In above input table	±0.5%,±1 Digit		± 0.1 % of span, ± 1 digit
Linearity	± 0.1% of span	0.1% of span		± 0.1 % of span
Response Time	Less Than 0.5 Second	Within 1 Second		With in 1 Second
Insulation strength				Tested at 500 VAC between electronics & earth
Insulation Resistance	200 MΩ at 1000 V DC	200 MΩ at 1000 VDC		200 MΩ at 1000 VDC
Transmitter P/S	24 V DC (Optional)	-		24 VDC (Optional)
Retransmission O/P	4-20 mA (Available in 96X96 mm model) (Optional)	4-20 mA		-
<b>Installation</b>				
Power Supply	110 / 230 V AC ±10%,50 Hz (Any One)	SMPS(90-270 VAC)		110 / 230 VAC ± 10 % , 50 Hz(Any One)
Ambient Temp.	0-60°C	0-60°C		0-60°C
Mounting	Flush Panel Mounted	Flush Panel Mounted		Flush Panel Mounted
Housing	ABS Plastic	Bhoppa Housing		Extruded Aluminium
Terminals	Screw Terminal	Suitable for conductor upto 1.5 sp. mm wire only		Screw terminal
Bezel Size	96(H) X 96(W) / 48(H) X 96(W) mm (Any One)	96(H) X 96(W) mm		96(H) x 96(W) mm
Cutout Size	92(H) X 92(W) / 44(H) X 92(W) mm	92(H) X 92(W) mm		92(H) x 92(W) mm
Weight				Approx. 1.2 Kg

Specifications are subject to change without prior notice.

### Manufacturing facilities :

**Pyrotech Electronics Pvt. Ltd.**  
F-16 A, Road No. 3, MIA, Udaipur-313003  
Ph. : 91-294-2492123-25, Fax : 2492126  
Email : pyrotech@peplelectronics.com  
Web: www.peplelectronics.com

### Delhi office :

**Pyrotech Electronics Pvt. Ltd.**  
405-406, 4th Floor  
53-54, Goverdhan House,  
Nehru Place, New Delhi - 110019  
Ph. : 011 - 46866400 / 26444930  
Fax : 011 - 26443694  
Email : pmppl@pyrotechindia.com

### Branch Offices :

Bangalore - 09342530078  
Baroda - 09327226863  
Hyderabad - 09391385939  
Kolkatta - 09331019888  
Raipur - 09301446050

### Our Associates :

Kolkata - 09339199881  
Korba - 09425532765  
Mumbai - 09322676597  
Rourkela - 09937373434  
Vizag - 09848048639