

DUAL CHANNEL PROCESS CONTROLLER



96 x 96



Flame Proof

FEATURE

- ✦ Micro-Controller Based Power, Full & Highly Reliable Controller.
- ✦ 2 Nos. Universal Input T/C, RTD, Linear Input Selection.
- ✦ Potential Free Relay Contact Output Up To 1/2/3/4 Nos.
- ✦ 0.1% Accuracy Of FSD.
- ✦ Isolated 2 X 0/4-20 mA Process Value Retransmission Output.
- ✦ All Configurations And Calibration From Front Panel Keypad.
- ✦ Highly Communicative Serial Interface Facility (RS 232/485).
- ✦ Transmitter Loop Power Supply With Current Limit As Standard.
- ✦ Power Supply :230V/110V AC. Or 24V/12V DC.
- ✦ Optional GSM Mobile Connectivity.
- ✦ Fully Password Protected Operation.
- ✦ Transmitter Loop Power Supply With Current Limit As Standard.

APPLICATION

- ✦ All On/Off Control Application.
- ✦ Tank Level Controller.
- ✦ Oven, Boilers And Furnace Control Applications.
- ✦ Plastic Moulding Machines.
- ✦ Laboratory And Scientific Instrument.
- ✦ Packaging Machinery.



Weather Proof Housing-IP65

DUAL CHANNEL PROCESS CONTROLLER

TECHNICAL SPECIFICATION

INPUT	INPUT Type For Channel-1 & Channel-2	T/C	K, J, R, S, E, N, T
		RTD	Pt-100, Cu 53 (2 wire & 3 wire)
		Current	0 ~ 20 mA DC, 4~20 mA DC
		Voltage	0-5V/1-5V DC, 0.5 - 2.5V/0- 10 V DC
		Special on demand :	0-75/200 mV & 0-1/10V/100/300 V AC/DC
		Resistance :-	0-75/200 mV 0-100/300V DC && 0-500 R , 0-1/5/10 K, 1M
INDICATION	Transmitter Power Supply	24 V DC @ 30 mA Max, Isolated From I/P & O/P	
	Cold Junction Comp. & Sensor Break Indication	Software Base Automatic	
	Range Limits	As Per Input Range Table	
	Accuracy	+/- 0.1 % Of Span For Linear & RTD, +/-0.25 % For T/C	
	Input Impedance	>330 K For Voltage ,mV DC, And T/C, 100 R For Current	
	Indication	PV & SV For UT102 & PV For UT101- LED 4 Digit 7 Segment Display.	
CONTROL MODE	Status Indication	LEDs For Relay Status & Communication	
	Alarm Modes	Very Low/Low/High/Very High	
	On Off Control	Relay / SSR	
OUTPUT	Dead Band Controls	High And Low Set Point For Level Application	
	Relay Output	NO - C - NC Contacts , 5A@240 V AC Resistive	
	SSR Output	1 / 2 / 3 / 4 Relays / SSR Output	
	Transmitter Power	24 V DC @ 20 mA ,12 V DC @ 20 mA	
COMMUNICATION	Retransmission Current & Voltage Outputs	2 Nos. 0~20/ 4~20 mA DC , 0 ~ 5 V , 0 ~ 10 V DC , 1 ~ 5V DC, Fully 3 Port Isolated	
	Communication Protocol & Method	Modbus RTU RS- 485/RS- 232 Communication	
	Programmable Parameter & Max No	Baud Rate, Parity , Node Address , Stop Bit & 0-256 Unit	
PROGRAMMABLE PARAMETER	Wireless Communication	GSM/GPRS Base Mobile(SMS) Communication	
	Set point / Hysteresis / High scale / Low Scale	Full Range As Per Input Selection	
	Relay Logic	F.S. High & Low Alarm, Dead Band Alarm	
	Display Resolution	-1999 to 9999 Fully Configurable For Linear Input	
OTHER	Programming Of Parameters	Through 4 Tactile Keys	
	Dimensions & Mounting	As Per Box Selection & Wall/Structure 2/2 Holes	
	(A) Supply Voltage (B) Power Consumption	(A) 110/230 V AC/24 V DC, 50/60 Hz (B) 4 Watts Maximum	
OTHER	Operating Ambient Temperature And Humidity	0~50 °C , And Humidity : Below 90%, Non Condensing	

ORDERING INFORMATION :

UT-201	1	2	3	4	5	6	7	8								
Input-1		Input-2		Ctrl.O/P-CH-1		Ctrl.O/P-CH-2		Rts. O/P CH-1		Rts. O/P CH-2		Power		Comm.		
Universal	U	Universal	U	None	N	—	None	N	—	None	N	—	230V AC	1	None	N
Fix	F	Fix	F	Relay	R	1•2	Relay	R	1•2	4-20mA	C	1•2	110V AC	2	Rs485	4
Type		Type		SSR	S	1•2	SSR	S	1•2	0-10/5V	V	1•2	24V DC	4	Rs232	2
Note : For Fix Input Plz. Specify Input Type				Special	T	1	Special	T	1	Special	T	1			GSM	1