

ON / OFF CONTROLLER



96 x 96 UT-101



96 x 96 UT-102



96 x 48



Flame Proof Housing

- Available Size : 96x96, 96x48(H), 48x96(V)

- External Box : Ex. Flameproof / M S or S S Box

FEATURE

- ★ Microprocessor Based Powerful & Highly Reliable Controller.
- ★ 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 0/4-20 mA Process Value Re-Transmission 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 : 230 V/110 V AC. Or 24 V/12 V DC.
- ★ Optional GSM Mobile Connectivity.
- ★ Fully Password Protected Operation.
- ★ User Friendly Menu For Device Configurations & Calibration.
- ★ Field Configurable.
- ★ All Different Input In Single Controller.

APPLICATION

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



48 x 96



Weather Proof Housing-IP65

ON / OFF CONTROLLER

TECHNICAL SPECIFICATION

INPUT	Input Type	T/C	K, J, R, S, E, N, T
		RTD	Pt-100, Cu53 (2wire & 3 wire)
		Current	0 - 20mA DC, 4 - 20mA DC
		Voltage	0 - 5 V / 1 - 5 V / 0.5 -2.5V / 0 - 10 V DC
		Special on demand	0-75/200 mV & 0-1/10V/100/300 V AC/DC
			0-75/200 mV 0-100/300V DC
		Resistance	0-500 R , 0-1/5/10 K, 1M
	Transmitter Power Supply	24 V DC @ 30 mA max, isolated from I/P & O/P	
	Cold Junction Comp. & Sensor Break Ind.	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, and T/C, 100 R for current	
INDICATION	Indication	PV & SV for UT - 102 & PV for UT - 101 - LED 4 digit 7 segment display.	
	Status Indication	LEDs for Relay Status & Communication	
	Alarm Modes	Low / High	
CONTROL MODE	On / Off Control	Relay / SSR	
	Dead Band Controls	High & Low Set Point for Level Application	
OUTPUT	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 DC	
	Retransmission Current & Voltage Outputs	0 - 20 / 4 - 20 mA, 0 - 5 / 0 - 10 V / 1 - 5 V DC Isolated	
COMMUNICATION	Communication Protocol & Method	Modbus RTU RS- 485/RS- 232 Communication	
	Programmable Parameter	Baud Rate, Parity, Node Address, Stop Bit & 0-256 Unit	
	Wireless Communication	GSM / GPRS base Mobile(SMS) Communication	
PROGRAMMABLE PARAMETER	Setpoint / 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	
	Parameter Programming	Through 4 Tactile Keys	
OTHER	Dimension & Mounting	As per Box Selection Panel Mount/ Weather Proof / FLP Wall Mount	
	(A) Supply Voltage (B) Power Consumption	(A) 110/230 V AC / 24 V DC, 50/60 Hz (B) 4 watts maximum	
	Operating Ambient Temperature and Humidity	Temp. 0 - 50 °C , and Humidity: Below 90% Non Condensing	

ORDERING INFORMATION :

UT-10																	
1		2		3		4			5			6		7		8	
Disp.		Size		Input		Ctrl. O/P			Re-Tra.O/P			TPS		Power		Comm.	
PV	1	96 X 96	9	Universal	U	None	N	—	None	N	—	12 V DC	1	230V AC	1	None	N
PV + SV	2	96 X 48 (H)	7	Fix	F	Relay	R	1•2 3•4	4-20mA	C	1•2	24 V DC	2	110V AC	2	RS485	4
		48 X 96 (V)	6	Type		SSR	S	1•2 3•4	0-10/5V	V	1•2	10 V DC	0	24V DC	4	RS232	2
						Special	T	1	Special	T	1					GSM	1
Note : For Fix Input Plz. Specified Input Type.																	

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