Low cost, compact size and highly Reliable Flp controller.



NA-101-FC2

C.M.R.I. Certified for gas group I IIA IIB

M S OR S S External Box available.

Flp three cable entry in very compact size.

Feature:-

- Flame proof low cost and compact size controller.
- µP Based Power, full & highly reliable controller.
- I, IIA,IIB, IP 65 as per IS 2148/1981, certified by C.M.R.I.
- Universal Input T/C, RTD, Linear input selection.
- 1 nos Potential Free Relay contact output
- 0.1% Accuracy of FSD.
- Isolated 0/4-20mA 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
- Fully Password Protected Operation.

INPUT		
Туре	Range	
J	-50 to 750 °C	
K	-50 to 1200 °C	
R	0 to 1750 °C	
S	0 to 1750 °C	
Т	0 to 400 °C	
E	-50 to 500 °C	
PT-100	-50 to 400 °C	
CU 53	-50 to 250 °C	
LINEAR	-1999 to 9999	
SPECIAL	-1999 to 9999	

Main Vantage :-

- Jumper less and fail safe design for long term consistent operation.
- Fully password protection for tamper free operation.
- No separate loop supply required for 2 wire transmitter.
- device configurations & calibration. Through front keypad.
- All different input in single controller.
- Field Configurable
- Highly communicative serial port for SCADA connectivity.
- Optional GSM mobile connectivity for remote data access.

Application :

- IIA, IIB, IP 65 zone On/Off control Application
- Pharmaceutical plant
- Laboratory and scientific instruments
- Petrochemical plant
- Oil and Gas plant
- Fertilizer plant

Computer Software (SCADA) Available for On line Process Viewing, Controlling and Data Logging.

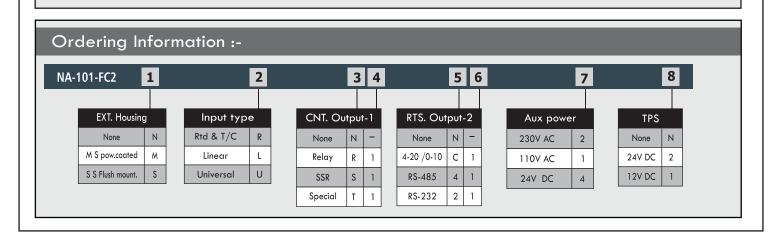


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An ISO 9001: 2008 Certified Company

Technical Spe	acification :	
reclinical spe		I IIA IIB as per IS 2148/1981
	Gas group	
	Enclose certification	Enclosure is certified by C.M.R.I., Dhanbad
Flame	Display glass	Clear glass thognet type A as per IS 2206
Proof	Degree protection	IP 65 as per IS 2147
_	Material of constructions	Aluminum alloy
	Cable entry	3 x 3/4 "ET
	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 : 0-5V/1-5V, 0.5 -2.5V/0-10 V DC
		Special on demand : 0-75/200 mV & 0-1/10V/100/300 V DC 0-75/200 mV 0-100/300V DC Resistence : 0-500 R , 0-1/5/10 K, 1M
Input	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	Ut101- 4 digit 7 segment display.
Indication	Status indication	LEDs for Relay status & Communication
Indicación	Alarm modes	LowHigh
Control Mode	On Off control	Relay / SSR
	Dead Band controls	High and Low Set point for level application
Output	Relay Output	NO - C - NC Contacts , 5A@240 V AC Resistive
		1 Relays / SSR output
	SSR Output	24VDC @ 20 mA ,12VDC @ 20 mA
Communication	Retransmission Current & Voltage outputs	0~20/ 4~20 mA,0~5V, 0~10V, 1~5V DC, fully 3 port isolated
	Communication Protocol & mathod	Modbus RTU RS- 485/RS- 232 Communication
	Programmable parameter & Connectable number	Baud rate, Parity , Node address , Stop bit & 0-256 unit
	Setpoint / Hysteresis / High scale / Low scale	Full range as per input selection
Programmable Parameters	Relay logic	F.S. high & low alarm
	Display resolution	-1999 to 9999 fully configurable for linear input
	Programming of parameters	Through 4 tactile keys
	Dimensions & Mounting	As per box selection & wall/structure 2/2 holes
Other	(A) Supply voltage (B) Power consumption	(A) 110/230 V AC, 50/60 Hz (B) 4 watts maximum
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