

RPM-MPM INDICATOR & CONTROLLER



96 x 48



96 x 96



Flame Proof

INTRODUCTION

UNITECH RPM Indicator Cum Controller, Model UT-801 Is An Ideal Instrument For Measuring The Speed Of Any Rotating Part. The Input Signal Can Be Pulses From Any PULSE Generating Device. The Basic Feed In Parameter For RPM Calculation And Display Is PPR (Pulse Per Revolution Ratio). Based On These Feed Ins, The Instrument Comes Up With A Definite Display For SPEED. Model UT-801 Is Capable To Display The RPM Value To The Resolution Of Maximum 4 Digits With Programmable Range Selection. However The RPM Value Is Auto Calculated, But This Programmed Range Can Set The Value Of Re-Transmission Signals Which Can Be Optionally Taken From The Instrument. Further It Can Be Designed To Generate Maximum Of 4 Nos. Of Potential Free Contacts. All The Configurations Like PPR, Set-Points, Alarm Types, ZERO And SPAN For Re-Transmission Etc. Can Be Done With The Help Of Front Keys Only . It Is Also Facilitated With Internal Transmitter Power Supply Of 12 / 24 V DC, To Power Up-Proximity Sensors.

FEATURE

- ✦ Micro - Controller Based Power, Full & Highly Reliable Controller.
- ✦ Wide Range From Up To 9,999 R.P.M.
- ✦ Accepts Inputs Like Proximity Switch, Photo Sensors, Voltage Pulses.
- ✦ P.P.M. Multipliers And Quartz Crystal Time Base.
- ✦ No Mechanical Moving Parts.
- ✦ Transmitter Power Supply @ 12 / 24 V DC.
- ✦ Gives Max. 4 On / Off Outputs.
- ✦ Re-Transmission Output On Speed.
- ✦ Various Sizes / Mountings / Enclosures Supported.
- ✦ RS-485 / 232 Comm. O/P Provided.
- ✦ Power Supply :230 V/110 V AC. Or 24 V/12 V DC.
- ✦ Isolated 0 / 4-20 mA Process Value Re-Transmission Output.

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TECHNICAL SPECIFICATION

INPUT	Input Type	PNP / NPN Proximity (NC type) - 3 Wire
		PNP / NPN Proximity (No Type) - 3 Wire
		Magnetic Pickup - 2/3 Wire
		Namur Type - 2/3 Wire
		User Is Required To Give Blow Parameter Like PR Ratio, Set point
		/Alm. Type / Hyst... (For C/O O/P) Z And S (For Retransmission)
	Transmitter Power Supply	24 V DC @ 30 mA Max, Isolated From I/P & O/P
	Range Limits	-1999 To 9999 With Decimal Programmable
	Accuracy	+/- 0.1 % Of Span For Linear & Red, +/-0.25 % For T/C
INDICATION	Indication	Pave & Vs. For Ut102 & Pave For Ut101- Led 4 Digit 7 Segment Display
	Status Indication	Leeds For Relay Status & Communication
	Alarm Modes	Very Low/Low/High/Very High
CONTROL MODE	On Off Control	Relay / Sir
	Dead Band Controls	High And Low Set Point For Level Application
OUTPUT	Relay Output	NO - C - NO Contacts , 5A @240 V AC Resistive
	Sir Output	1 / 2 / 3 / 4 Relays / Sir Output
	Transmitter Power	NO - C - NC Contacts , 5A @ 240 V AC Resistive
	Retransmission Current & Voltage Outputs	0~20/ 4~20 mA, 0 ~ 5 V , 0 ~ 10 V , 1 ~ 5V DC, Fully 3 Port Isolated
COMMUNICATION	Communication Protocol & Method	Modbus Rut Rest- 485/Rest- 232 Communication
	Programmable Parameter & Max No.	Baud Rate, Parity , Node Address , Stop Bit & 0-256 Unit
	Wireless Communication	Gem/PRs Base Mobile(Sims) Communication
PROGRAMMABLE PARAMETERS	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
	Programming Of Parameters	Through 4 Tactile Keys
OTHER	Dimensions & Mounting	As Per Box Selection & Wall/Structure 2/2 Holes
	(A) Supply Voltage (B) Power Consumption	(A) 110/230 AC/24 V DC , 50/60 Hz (B) 4 Watts Maximum
	Operating Ambient Temperature And Humidity	0~50 °C , And Humidity : Below 90%, Non Condensing

ORDERING INFORMATION :

UT-801														1	2	3	4	5	6	7
Input		Size		CNT. Output			Re. Output		TPS		Power		Comm.							
2 Wired	1	96 X 48 (H)	4	None	N	—	None	N	12 V DC	1	230V AC	1	None	N						
3 Wired NPN	2	48 X 96 (V)	9	Relay	R	1•2	4-20mA	C	24 V DC	2	110V AC	2	RS485	4						
3 Wired PNP	3	Flame Proof	F	SSR	S	1•2	0-10/5V	V	10 V DC	0	24V DC	4	RS232	2						