



## Features

- Programmable Up / Down counting
- Programmable Memory Backup Function
- Timer Range through Keyboard : 9.99 Sec to 999 Hrs
- 2 Programmable Output
- Two Different time range in Cyclic Mode
- Universal supply voltage (90 ~ 270VAC)
- Configurable at Power On ( To avoid Tampering )
- 24 VDC Available on Request


## Technical Specifications

### Display Specification

Digits	3 Digits Single Row 7 Segment LED Display			
LED Indication	Output - OP1, OP2 Hold Timee Status - HLD Time Base - Hrs / Min / Sec			
Height	Model	KTM-443	KTM-773	KTM-993
	PV (White)	0.39"	0.56"	0.56"

### Keys

4 Controlling keys for configuration and operation

SET  RESET  START 

### Auxiliary Supply Specification

Supply Voltage 90 - 270 VAC  
(24 VDC Available on Request)

### Functional Specification

Time Base Selection	Through Keyboard
Time Start Mode	1) Power On Start 2) Front Start 3) Remote Pulse High to Low 4) Remote Pulse + Level (Close)
Output 1 Mode	1) ON Delay 2) OFF Delay 3) Cyclic ON-Time First 4) Cyclic OFF-Time First 5) FOR-REV with Hold Time
Output 2 Function	1) Auxiliary Contact 2) Instant Contact 3) End of Cycle 4) Off

### Certification

None



Make In India



Accurate



Reliable



Affordable



User Friendly

### Output Specification

Control Output	Relay / SSR Drive (Factory Set)
Output 2	Relay / SSR Drive (Factory Set)
Relay	5A @ 250VAC / 30VDC
SSR Drive	12 VDC @ 30mA

### Environmental Specification

Temperature	Operating - 0 to 50°C
Storage	-20° to 75°C
Humidity	95% RH (Non-condensing)

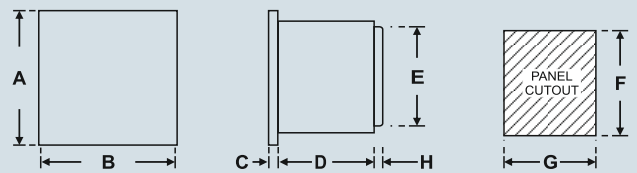
### General Description

Model	KTM-443	KTM-773	KTM-993
Weight (Gms)	140	230	250
Enclosure	Molded ABS		
Color	Black		
Accessories	1 Pair of Mounting clamp		
Terminal Cable Size	Barrier Type terminal cable Size ( 2.5 mm <sup>2</sup> )		

### Input Specification

Control Input	Start - Proximity S/W (PNP / NPN) Potential Free Contact & 3 to 30 VDC Pulse  Reset - Front Key, Rear Terminals & Remote Terminal
Sensor Supply	12 VDC @ 30mA (SCP)
Accuracy	0.05% FSD
Repeat Accuracy	0.01%

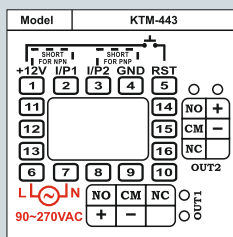
### Mechanical Dimensions



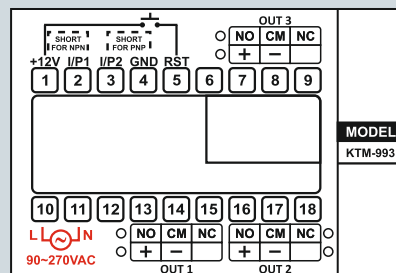
### Mechanical Dimensions

Model	Dim	A	B	C	D	E	F	G	H
KTM-443		48	48	8	78	43	44	44	9
KTM-773		72	72	3	60	68	68	68	9
KTM-993		96	96	3	50	90	92	92	9

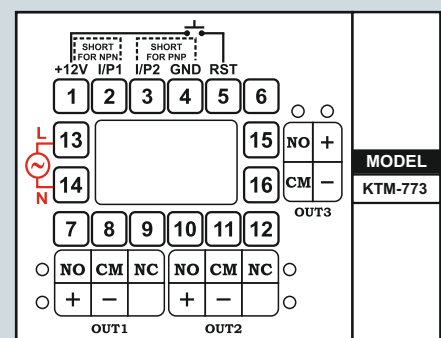
### Terminal Diagram



KTM-443



KTM-993



KTM-773

### Order Code : KTM-Series

Size	No. Of Digits	O/P1 Type	O/P2 Type
4 (48X48X78)	3 Digits	R (Relay)	R (Relay)
7 (72X72X65)	6 Digits	S (SSR Drive)	S (SSR Drive)
9 (96X96X53)			

## Order Code : KTM-443-R-R

Size	No. Of Digits	O/P1 Type	O/P2 Type
44	3	R	R
4 (48X48X78)	3 Digits	R (Relay)	R (Relay)

## Input Sensor Range

Range	Resolution	Accuracy
99.99 s	0.01 sec	± 0.05 % of Full Scale
999.9 s	0.1 sec	
9999 s	1 sec	
99 m 59 s	1 sec	
999.9 m	0.1 min	
9999 m	1 min	
99 h 59 m	1 min	
999.9 h	0.1 hrs	
9999 h	1 hrs	