

Timers

KTM-446 / KTM-666 / KTM-776 / KTM-996



Features

- Programmable Up / Down counting
- Timer Range through Keyboard : 9.99 sec to 999 Hrs
- Two Different time range in Cyclic Mode
- Programmable Number Of Cycle or Total Time for Cyclic Mode
- Configurable at Power ON (To avoid Tampering)
- Programmable Memory Backup Function
- 2 Programmable Output
- Universal supply voltage (90 to 270 VAC)
- 24 VDC Available on Request

Display Specification

Digits	: 3 Digits Dual Row 7 Segment LED Display				
LED Indication	: Output - OP1, OP2 Hold Time Status - HLD Time Base - Hrs / Min / Sec				
Height	Model	KTM-446	KTM-666	KTM-776	KTM-996
PV (White)		0.39"	0.39"	0.56"	0.80"
SV (Green)		0.24"	0.39"	0.39"	0.56"

Input Specification

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

Output Specification

Output 1	: 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)

Auxiliary Supply Specification

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

Time Base Selection	: Through Keyboard
Timer Start Mode	: (1) Power On Start (2) Front Start (3) Remote Pulse High to Low (4) Remote Pulse + Level (Close)
Output1 Mode	: (1) ON Delay (2) OFF Delay (3) Cyclic ON-Time First (4) Cyclic OFF-Time First (5) FOR-REV with Hold time
Output2 Function	: (1) Auxiliary Contact (2) Instant Contact (3) End of Cycle (4) Off

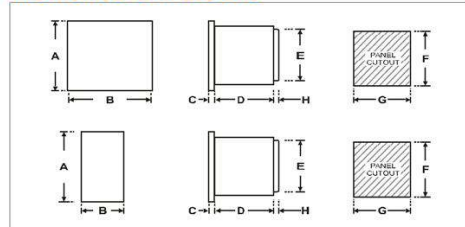
General Description

Model	KTM-446	KTM-666	KTM-776	KTM-996
Weight (Gms)	140	200	230	250

Certification

None

Mechanical Dimensions



Model	Dim	A	B	C	D	E	F	G	H
KTM-446		48	48	8	78	43	44	44	9
KTM-666		96	48	10	53	89	92	44	9
KTM-776		72	72	10	65	66	68	68	9
KTM-996		96	96	10	53	89	92	92	9



ELTEC CABLES & INSTRUMENTS

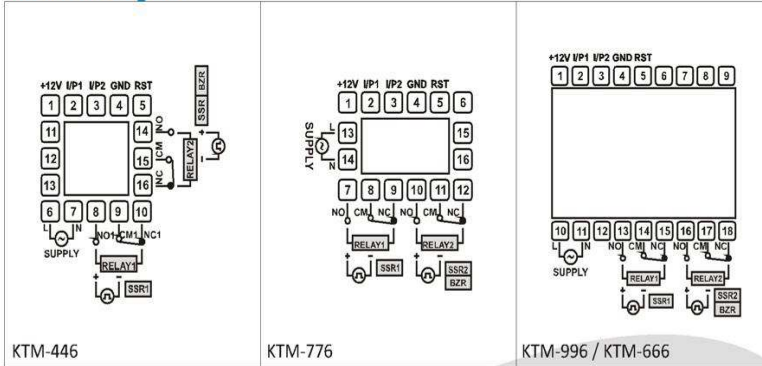
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Terminal Diagram



Order Code : KTM-Series

Size	No. Of Digits	O/P1 Type	O/P2 Type
4 (48X48X78)	3 Digits	R (Relay)	R (Relay)
6 (96X48X53)	6 Digits	S (SSR Drive)	S (SSR Drive)
7 (72X72X65)			
9 (96X96X53)			

Example : KTM-446-R-R

Size	No. Of Digits	O/P1 Type	O/P2 Type
44	6	R	R
4 (48X48X78)	6 Digits	R (Relay)	R (Relay)

Timing Range

Range	Resolution	Accuracy
9.99 s	0.01 sec	± 0.05 % of Full Scale
99.9 s	0.1 sec	
999 s	1 sec	
9 m 59 s	1 sec	
99.9 m	0.1 min	
999 m	1 min	
9 h 59 m	1 min	
99.9 h	0.1 hrs	
999 h	1 hrs	



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