

Multifunction Timers and Counters

CTR-33 / CTR-44 / CTR-77 / CTR-88 / CTR-99



Features

- Programmable Function : (1) Event Counter (EC) (2) Time Totalizer (TT) (3) RPM Indicator (RI)
- Configurable at Power On (To avoid Tampering)
- Programmable Memory Backup Function
- RPM Time Out : Auto Flexible as per RPM value
- Programmable Ratio For RPM mode : 1 to 100
- Universal supply voltage (90 ~ 270VAC)
- 24 VDC Available on Request

Technical Specifications

Display Specification

Digits	6 Digits Single Row 7 Segment LED Display				
LED Indication	Mode - EC / TT / RI Time Base - Hrs / Min / Sec (For TT)				
Height \ Model	CTR-33	CTR-44	CTR-77	CTR-88	CTR-99
PV (White)	0.39"	0.30"	0.39"	0.56"	0.56"

Auxiliary Supply Specification

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

Count Frequency	3Hz / 30Hz / 100Hz / 1kHz / 2.5kHz
Counter Range	0 to 999999 Counts
Timing Range	0.00 Sec to 999999 Hrs
RPM Range	4.00 RPM to 9999 RPM
RPM Resolution	1 / 0.1 / 0.01

Input Specification

Control Input	Start - Proximity S/W (PNP / NPN) Potential Free Contact Reset - Front Switch & Remote Terminal
Sensor Supply	12 VDC @ 30mA (SCP)
Accuracy	0.05% FSD



Make In India



Accurate



Reliable



Affordable



User Friendly

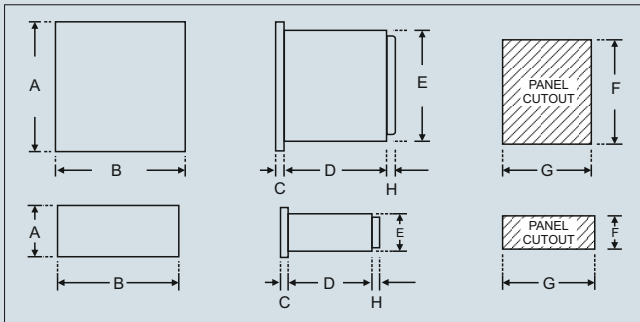
Environmental Specification

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

Certification

None

Mechanical Dimensions



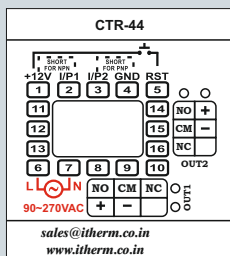
General Description

Model	CTR-33	CTR-44	CTR-77	CTR-88	CTR-99
Weight (Gms)	140	140	190	160	240
Enclosure	Molded ABS				
Color	Black				
Accessories	1 Pair of Mounting clamp				
Terminal Cable Size	Barrier Type terminal cable Size (2.5 mm ²)				

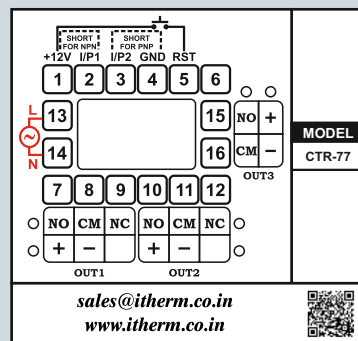
Mechanical Dimensions

Model	Dim	A	B	C	D	E	F	G	H
CTR-33		36	72	5	79	21	32	68	9
CTR-44		48	48	8	78	43	44	44	9
CTR-77		72	72	10	65	66	68	68	9
CTR-88		48	96	10	53	43	44	92	9
CTR-99		96	96	10	53	89	92	92	9

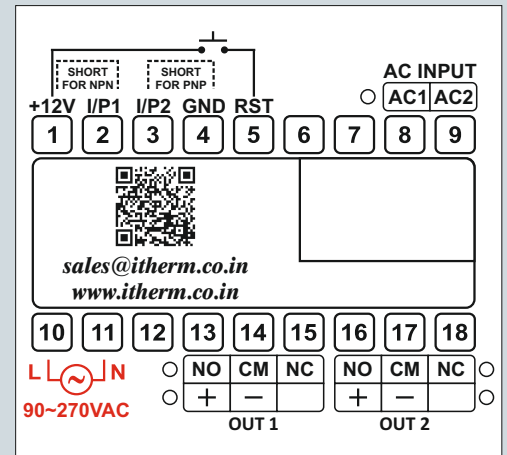
Terminal Diagram



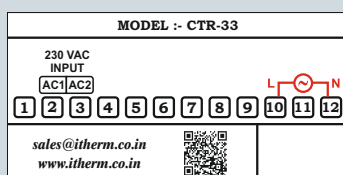
CTR-44



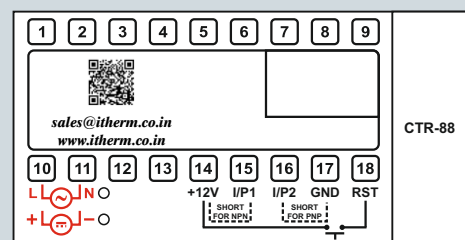
CTR-77



CTR-99



CTR-33



CTR-88

Order Code : CTR-Series

Size	Model
3 (36X72X79)	CTR-33
4 (48X48X78)	CTR-44
7 (72X72X65)	CTR-77
8 (48X96X53)	CTR-88
9 (96X96X53)	CTR-99

Input Sensor Range

Range	Resolution	Accuracy
9999.99 s	0.01 sec	 $\pm 0.05 \% \text{ of Full Scale}$
99999.9 s	0.1 sec	
999999 s	1 sec	
9999 m 59 s	1 sec	
99999.9 m	0.1 min	
999999 m	1 min	
99 h 59 m 59 s	1 sec	
9999 h 59 m	1 min	
99999.9 h	0.1 hrs	
999999 h	1 hrs	