

Multifunction Timers & Counters

Cx-408 / Cx-728 / Cx-928



Features

- Programmable Function : 1) Counter Mode
2) Timer Mode
- Counting Range : 0 to 9999 Counts
- Programmable Up / Down counting
- Timing Range : 0.01 Sec to 9999 Hrs
- Configurable at Power On (To avoid Tampering)
- Universal supply voltage (90 ~ 270VAC)
- 2 Programmable Output
- 24 VDC Available on Request
- Programmable Memory Backup Function

Technical Specifications

Display Specification

Digits	4 Digits Dual Row 7 Segment LED Display			
LED Indication	Output - 1, 2 Time Base - H / M / S (For Timer)			
Height	Model	Cx-408	Cx-728	Cx-928
PV (White)		0.36"	0.59"	0.59"
SV (Green)		0.24"	0.39"	0.39"

Input Specification

Sensor Type	NPN / PNP
Input Type	Voltage Pulse (3 to 30 VDC) from Proximity Switches, Solid State Devices, Potential free contact encoder
Input Speed	a) 3Hz b) 30Hz c) 5kHz
Accuracy	Timer: $\pm 0.05\%$ of setting or 50 ms whichever is greater Counter: ± 2 counts

Keys

4 Controlling keys for configuration and operation

SET  BATCH  RESET  START 

Auxiliary Supply Specification

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



Make In India



Accurate



Reliable



Affordable



User Friendly

Output Specification

Sensor Supply	Inbuilt, 12 VDC, 30mA (Short Circuit protected)
Relay Contact	2 C/O SPST
Contact Rating	5A @ 230 VAC

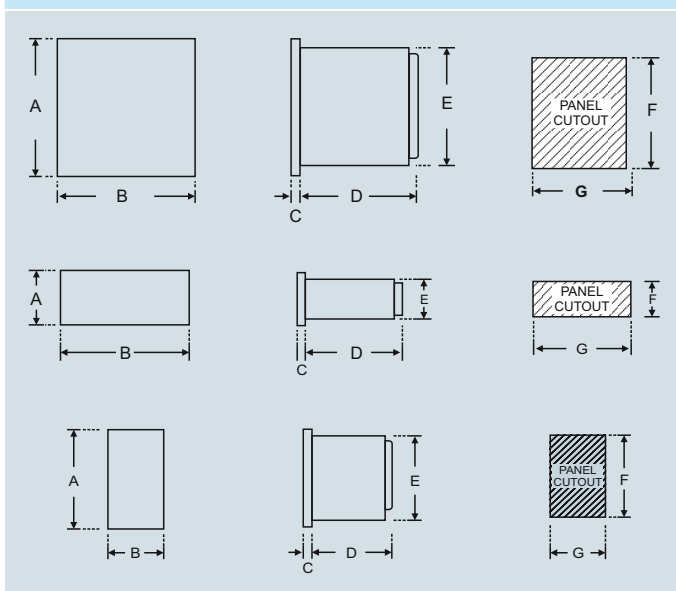
Environmental Specification

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

General Description

Model	Cx-408	Cx-728	Cx-928
Weight (Gms)	130	200	280
Enclosure	Molded ABS		
Color	Transparent		
Accessories	1 Pair of Mounting clamp		
Terminal Cable Size	Barrier Type terminal cable Size (2.5 mm ²)		

Mechanical Dimensions



Functional Specification

Mode	Timer : ON delay, Interval, Cyclic ON First, Cyclic OFF First, Batch Counter : ON delay, Interval, Auto reset, Time pulse repeat, Batch
Ranges	Timer: 0 - 99.99 / 0-999.9 / 0 - 9999 Sec 0 - 99.59m: sec, 0 - 999.9/9999m 0 - 99.59hr: m, 0 - 999.9/0 - 9999h Counter: -999 to 9999 counts
Resolution	0.01 sec
Counting Direction	Timer: Down; Counter: UP / Down
Set point	2
Scale Factor	0.001 to 9.999 x 10 ⁿ
Reset	Front, Remote, Power interruption
Memory retention	Yes
Configuration lock	Password protected

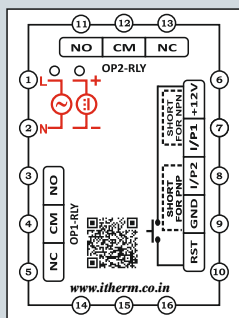
Certification

None

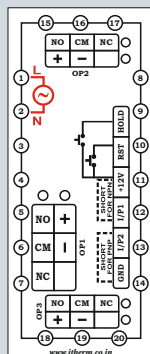
Mechanical Dimensions

Model	Dim						
	A	B	C	D	E	F	G
Cx-408	50	48	3	85	45	45	45
Cx-728	72	72	3	60	68	68	68
Cx-928	96	96	3	50	90	92	92

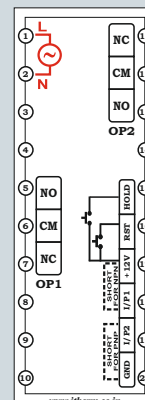
Terminal Diagram



Cx-408



Cx-728



Cx-928

Order Code : Cx-XXX Series

Size	No. of Output	No. Of Digits	O/P1 Type	O/P2 Type
4 (48X48X70)	2 (Two)	8 Digits	R (Relay)	R (Relay)
7 (72X72X60)			S (SSR Drive)	S (SSR Drive)
9 (96X96X53)				

Example : Cx-728-R-R

Size	No. of Output	No. Of Digits	O/P1 Type	O/P2 Type
7	2	8	R	R
7 (72X72X60)	Two	8 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	