



CX100 Series Repeat Cycle Timer

The CX100 Series is a solid state repeat cycle timer that will alternately turn an output on and off as long as power is applied to the unit. The CX100 Series is a microprocessor based timer with digital setting for greater setting accuracy than can be achieved with analog style repeat cycle timers. In addition to its greater setting accuracy, the CX100 Series timer is fully programmable to provide a number of time ranges and operating modes in one unit.

The ON and OFF time ranges are individually programmable for four time ranges from 199.99 seconds to 199 hours and 59 minutes. The CX100 Series timer is also programmable to have the ON time first instead of the OFF time first and to reset or non-reset on power interruption. The time ranges and the operating characteristics of the unit are programmed using 7 miniature rocker switches located inside the unit housing.



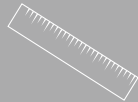
- Housed in standard CYCL-FLEX® enclosure for easier removal, programming changes, and service
- 4 1/2 digit (19999) liquid crystal display - .5 inch high
- Annunciators (right of the display) flash to indicate ON time cycle and are constantly on to indicate OFF time cycle
- Two socket mount 10 amp output relays - one performs ON/OFF cycle switching and the other is a set of instantaneous contacts that energize when power is applied to the start input and do not deenergize until power is disconnected from the start input
- Time inhibit input allows timing function to be stopped without resetting the unit
- Non-volatile memory data retention



TIME



COUNT



MEASURE

8:43

DISPLAY



CX100 Series Repeat Cycle Timer

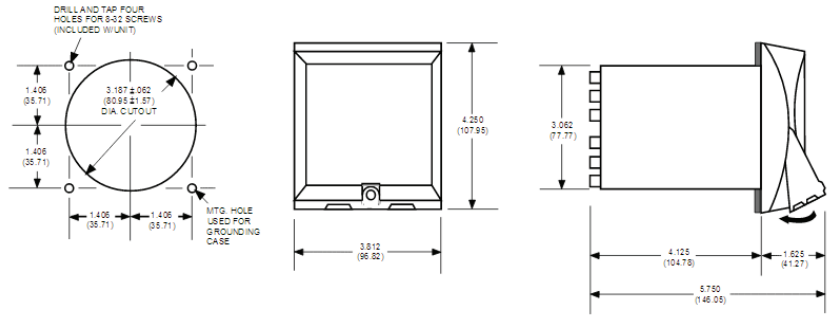
SPECIFICATIONS

TIME RANGES	See table below.
OPERATING VOLTAGE/FREQUENCY	A6 - 120 VAC, 50/60 Hz B6 - 240 VAC, 50/60 Hz
SETTING ACCURACY	±0.05% or 50 ms, whichever is larger (0° to 60°C)
REPEAT ACCURACY	±0.001% or 35 ms, whichever is larger (0° to 60°C)
RESET TIME	30 ms following voltage removal from simulated clutch input (CR1)
POWER ON RESPONSE	300 ms maximum after voltage applied to terminal 11
OPERATING TEMPERATURE	32° to 140° (0° to 60°C)
OUTPUT RATING	Relay: 10 amp (resistive), 120 VAC Mechanical Life: 20 million operations Electrical Life: contingent upon controlled load
STATIC DISCHARGE	Unit function is unaffected by a constant 3600 volt peak, 60Hz discharge applied to the grounded front plate at a relative humidity of less than 25%
VIBRATION	Unit function is unaffected by 2.5G sinusoidal vibration magnitude in both directions of the perpendicular mounting axes imposed from 10 to 100 Hz
APPROVALS	UL Recognition E96337 CSA Certification LR26861

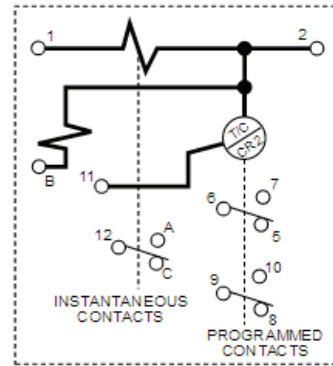
TIME RANGES

MAXIMUM RANGE	MINIMUM SETTING
199.9 seconds	.01 second
1999.9 seconds	.1 second
199 minutes: 59 seconds	1 second
199 hours: 59 minutes	1 minute

DIMENSIONS



TERMINAL ASSIGNMENTS



ORDERING INFORMATION

CX1 **XX** **XX**

OUTPUT TYPE

SYMBOL	DESCRIPTION
00	10 Amp Relay

VOLTAGE/FREQUENCY

SYMBOL	DESCRIPTION
A6	120V 50/60Hz
B6	240V 50/60Hz

Enclosures

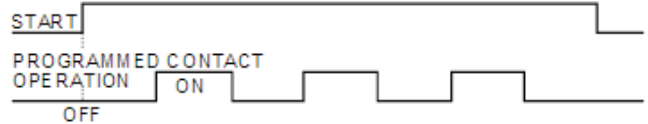
- HN308 NEMA Class 1, Surface Mounting with Terminal Block
- HN364 NEMA Class 1, Surface Mounting without Terminal Block
- HN370 NEMA Class 1A, Dual Unit Cabinet Less Unit Cases & Toggle Switch, with 9 Terminal Block

Accessories

- H-5331 Mounting Brackets 2 required per timer
- HP50-31 One Hole Mounting Ring
- HP50-131 CYCL-FLEX Water-Sealed Housing
- HP50-133 Surface Mounting Adapter to use in place of brackets

OUTPUT OPERATING MODES

OFF Time First/Repeat Cycle Operation



ON Time First/Repeat Cycle Operation

