http://waterheatertimer.org/Intermatic-timers-and-manuals.html#cycle

CT2000
Percentage Cycle Timer

The CT2000 Percentage Cycle Timer is a field adjustable timer, offering true flexibility for repetitive cycle times via upfront control button. This timer provides repetitive cycling for fans, misters, foggers, feeders, process equipment, oil pumps, irrigation, nurseries, and other short cycle applications. The timer enclosure includes two slotted mounting holes on 5" centers and a ½" knockout for conduit connection.

Features
- Provides 8 field selectable cycle durations:
  30 seconds, 1 minute, 3 minutes, 5 minutes, 10 minutes, 30 minutes, 1 hour, and 4 hours
- Provides 30 separate detent positions for precise selection of percentage On time
- User settings stored in non-volatile memory
- Control buttons on front of timer
- No DIP switches to program cycle time
- Manual ON/OFF control allows for temporary or permanent override
- Designed to function in dusty, ammonia, and wash-down environments
- Able to withstand surge of up to 6,000 VAC

Ratings

Resistive:	20 Amps @ 120/240 VAC, 28 VDC
Motor:	1 HP @ 120 VAC,
	2 HP @ 240 VAC
General Purpose:	20 Amps @ 240 VAC
Tungsten (Incandescent):	5 Amps @ 240 VAC
Pilot Duty:	470 VA @ 240 VAC
Ballast (Fluorescent):	10 Amps @ 277 VAC
Operating Temperature:	14°F to 129°F (-10°C to 54°C)
Weight:	1.4 lbs. (0.6 kg)
Warranty:	Limited 1 year

Project: _____

Location: _____

Product Type: _____

Contact/Phone: _____

Model #: _____

CT2000

Model Number	Voltage/Frequency	Switch	Rating
CT2000	120 or 240 VAC, 60 Hz	SPST	20 Amps

Energy Controls

Total Cycle Timer Duration	Minimum ON Duration	Maximum ON Duration
30 Seconds	1 Second	29 Seconds
1 Minute	2 Seconds	58 Seconds
3 Minutes	6 Seconds	2 Minutes, 54 Seconds
5 Minutes	10 Seconds	4 Minutes, 50 Seconds
10 Minutes	20 Seconds	9 Minutes, 40 Seconds
30 Minutes	1 Minute	29 Minutes
1 Hour	2 Minutes	58 Minutes
4 Hours	8 Minutes	3 Hours, 52 Minutes

Specification

The time switch shall be of the percentage cycle type, capable of permitting up to 30 separate ON percentages. The time switch shall provide a minimum cycle duration of 30 seconds and a maximum cycle duration of 4 hours. Time switch to be powered by _____ (120)(240) VAC, 60 Hz power supply. The time switch shall allow change of the cycle duration while the time switch is installed and powered. Time switch shall be designed to withstand a minimum of 6,000 VAC surge. The time switch enclosure shall be a UL Type 3R aluminum enclosure that shall be painted with an electrostatic process to eliminate the potential for corrosion. Switch configuration shall be SPST with a UL or CSA listed switch rating of:

- Resistive: 20 Amps @ 120/240 VAC, 28 VDC
- Motor: 1 HP @ 120 VAC, 2 HP @ 240 VAC
- General Purpose: 20 Amps @ 240 VAC
- Tungsten (Incandescent): 5 Amps @ 240 VAC
- Pilot Duty: 470 VA @ 240 VAC
- Ballast (Fluorescent): 10 Amps @ 277 VAC
- Operating Temperature: 14°F to 129°F (-10°C to 54°C)

The time switch shall be UL or CSA listed under UL category 916 Energy Management Equipment and shall be Intermatic model CT2000.

Diagrams

CT2000

CT2000