INTERMATIC®

CT1000 SERIES
CYCLE PERCENTAGE TIMER

SPST contact ratings

VOLTAGE	LOAD TYPE	N.O. CONTACT
240VAC	General Purpose	30A
125VAC	Motor	1 HP
240VAC	Motor	2 HP
240VAC	Tungsten	TV-5

VOLTAGE	LOAD TYPE	N.O. CONTACT
240VAC	Pilot Duty	470VA
277VAC	Ballast	10A
28VDC	Resistive	20A

This timer provides repetitive cycling for fans, misters, foggers, feeders, process equipment and other short cycle applications. The timer is field adjustable for a percentage of a total cycle duration. Cycle durations can be set from 30 seconds to a maximum of 30 minutes, with ON durations from 1 second up to 29 minutes. The total cycle duration is selected by positioning two jumpers on the circuit board. The percentage of total ON time is selected using the rotary knob, which provides 30 separate detent positions for precise selection. Power input to the timer may be any standard 120 volt or 240 volt AC supply. The timer enclosure includes two slotted mounting holes on 5" centers and a 1/2" knockout for conduit connection.

This timer is designed to function in high dust, ammonia and wash-down environments. It has an environmental operating temperature range of -10°C (14°F) to +60°C (140°F) and provides protection for up to 6000 volt 3000 amp power surges.

CAUTION: Disconnect power at the circuit breaker or control panel before beginning installation.

INSTALLATION

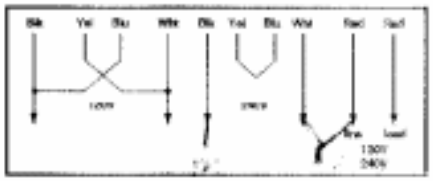
1. Determine mounting location and install two screws of appropriate size on 5" vertical centers, leaving approx. 1/4" space between screw heads and mounting surface.

2. Remove thumbscrew and pull off cover. The cover can be totally disconnected (if desired) by removing the 3-pin connector and green ground wire.

3. Place timer base over installed screws; pull downward and fasten. Tighten screws as required, but do not over tighten.

4. Position the two jumpers according to the maximum cycle duration required. Timer is factory shipped for a 10 minute cycle.

5. Make wiring connections as shown for 120 volt or 240 volt AC input.



6. Reverse step 2 to replace cover. Be sure to reconnect the circuit board connector and green ground wire if disconnected. Secure cover with thumbscrew; do not over tighten.

7. Restore power to timer at disconnect or breaker panel.

8. If you changed the cycle duration in step 4, position a matching duration label over the factory-supplied label on the selector knob.

9. Select the ON time by rotating knob clockwise to the percentage required. Higher positions provide additional ON time, as shown below.

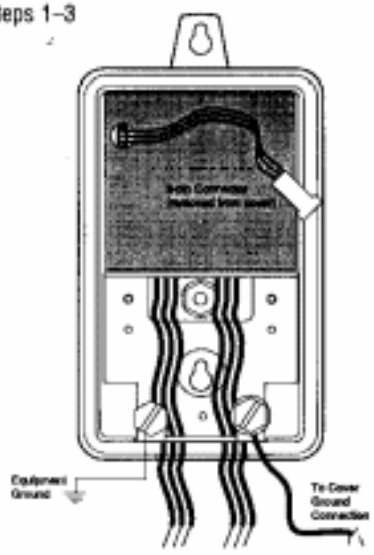
Cycle Timer Duration	Selector Knob %	ON Time
30 sec.	10%	3 sec.
30 sec.	50%	15 sec.
30 sec.	80%	24 sec.
10 min.	10%	1 min.
10 min.	50%	5 min.
10 min.	80%	8 min.

Permanent ON and OFF positions are provided to allow manual override of the cycle at any time.

CAUTION: DO NOT USE THE MANUAL OFF POSITION FOR EQUIPMENT SERVICE. ALWAYS DISCONNECT POWER AT THE DISCONNECT OR BREAKER PANEL.

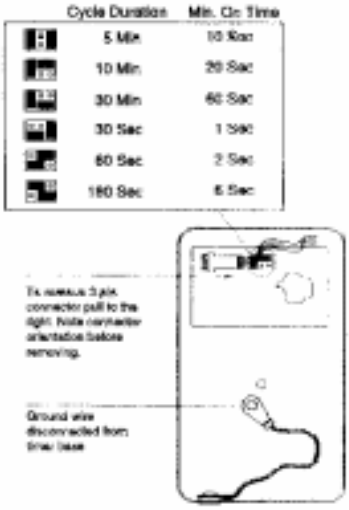
10. During operation in the 5, 10 and 30 min modes the indicator LED will blink green when the load is ON and red when the load is OFF. The LED remains steady in the 30, 60 and 180 sec modes. In the override position, (ON) the indicator will be green (not blinking). In the OFF position, indicator is red and not blinking.

Steps 1–3



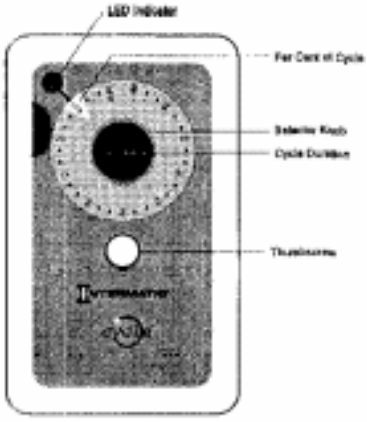
Base Installation and Wiring Connections

Steps 4–6



Cover Connections and Cycle Duration Selection

Steps 8–10



Selector Knob and LED Indicator