



FIREPLACE TIMER - INSTRUCTIONS

(updated June 2009)

CCTMR V3.0 Operation

CCTMR Power Consumption:

Current on Idle	0.01 mA (monitored using a FLUKE 175 tester)
Current on Idle using jumpers	0.01 mA (monitored using a FLUKE 175 tester)
Current with relay ON and LED ON	3.70 mA
Current with relay ON and LED OFF	0.97 mA

Battery Installation:

- 3 x 1.5V (AA) alkaline Energizer industrial type batteries recommended
- Follow installation steps indicated directly on the battery holder

Jumper Selection Chart:

SELECTION	DURATION
none	30 seconds (mode test)
J3	20 minutes
J2	30 minutes
J2 + J3	1 hour
J1	2 hours
J1 + J3	3 hours
J1 + J2	4 hours
J1+ J2 + J3	manual

2025 Lavoisier no 135, Québec, QC G1N 4L6

Tel : 800 681 9590 Ext 227 Fax 888 681 7393

www.cristalcontrols.com



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Operation Modes: Manual or Timed

MANUAL	<p>Once the button is pressed:</p> <ul style="list-style-type: none"> ▪ The relay contact closes and the GREEN LED will stay ON for 3 seconds. ▪ To shut off the CCTMR, press the button again. The relay will open (goes to OFF position) and the GREEN LED will blink 3 times. <p style="text-align: right;">Note: There is no time limit within manual mode.</p>
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TIMED	<p>Once the button is pressed:</p> <ul style="list-style-type: none"> ▪ The CCTMR timer start counting base on the jumper selection (see above chart), the GREEN LED will illuminate for 3 seconds. ▪ If the button is pressed when the timer is in action, the relay will open (to OFF position) and the GREEN LED will blink for 3 times. This terminates the timing cycle. ▪ 10 minutes before the last count, the GREEN LED will start blinking steadily (one blink each second) until the unit goes to OFF Position. If the button is pressed again during this time period, the unit overrides the remaining minutes and a new timing cycle will start -the relay will remain closed (ON position) <p style="text-align: right;">When the timer has expired (1 hour, 2 hours, 3 hours), the GREEN LED will go OFF. The relay will then open (going to OFF Position).</p>
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Battery Level Monitoring:

Within each of the above modes, the CCTMR constantly monitors the power level of the batteries.

Battery conditions are displayed by the DUAL COLOR LED:	
GREEN - solid	normal battery operating conditions – power level is fine
RED - solid	low level (3.4v) – batteries will soon need to be replaced
RED - blinking	low level (3.2v) – the device is automatically turned OFF

Battery conditions are displayed by the DUAL COLOR LED:	
Normal	power level is fine, Led operate in GREEN
Low (<3.4V)	batteries will soon need to be replaced, Led operate in RED
To Low (<3.2V)	the relay is automatically turned OFF, Led blink for 5 times in RED

Upon replacement of the batteries, the device is ON the relay OPEN until the button is press.

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Battery Life Expectancy:

- approximately 4.5 months, using alkaline Energizer industrial AA batteries (based on 4 x 1-hour cycles per day, 7 days a week)

Connections:

Fire place schematic

