**CRISTAL**

# Fireplace Timer                    CCTMR

For every room with a gas fire place

- ▸ Condos
- ▸ Hotel
- ▸ Residence
- ▸ Secondary residence

Replace existing On–Off wall switches and noisy mechanical timers with this new state–of–the electronic art timer.

## Cristal Controls Electronic Timer benefits

- ▸ Wall battery–powered timer
- ▸ To be used with thermopile gas control fire place
- ▸ No more forgotten on switch
- ▸ Save energy
- ▸ Battery Level Monitoring
- ▸ Easy to install
- ▸ Only two(2) wires to connect
- ▸ Use as a timed switch
- ▸ No noise
- ▸ Dimensions: 35/8 x 45/8 x 11/8 (inches)
- ▸ Use 3 x 1.5 volt AA batteries (included)
- ▸ Simply push the button to activate your fireplace

**Fits a standard one gang electrical box or directly on the wall**

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## Fireplace Timer – Instructions

## 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 batteries recommended
- ▶ Follow installation steps indicated directly on the battery holder

### Jumper Selection Chart :

| Selection | Duration | | Selection | Duration |
|---|---|---|---|---|
| None | 30 seconds (test mode) | | J1 | 2 hours |
| J3 | 20 minutes | | J1 + J3 | 3 hours |
| J2 | 30 minutes | | J1 + J2 | 4 hours |
| J2 + J3 | 1 hour | | J1 + J2 + J3 | Manual |

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**Operation Modes: Manual or Timed**

**Manual**

Once the button is pressed :

▸ The relay contact closes and the GREEN LED will stay ON for 3 seconds.

▸ To shut off the CCTMR, press the button again. !e relay will open (goes to OFF position) and the GREEN LED will blink 3 times.

Note : There is no time limit on manual mode.

**Timed**

Once the button is pressed :

▸ The CCTMR timer start counting base on the jumper selection (see chart on previous page), 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. !is 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)

When the timer has expired (see chart on previous page), the GREEN LED will go OFF. The relay will then open (going to OFF Position).

**Battery Level Monitoring**

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

| 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 blinks for 5 times in RED. |

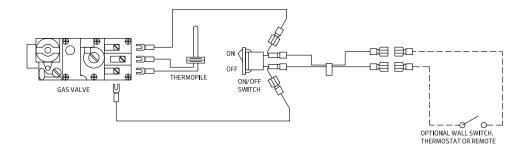Upon replacement of the batteries, the device is ON and the relay OPEN until the button is pressed..

# CRISTAL

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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: