

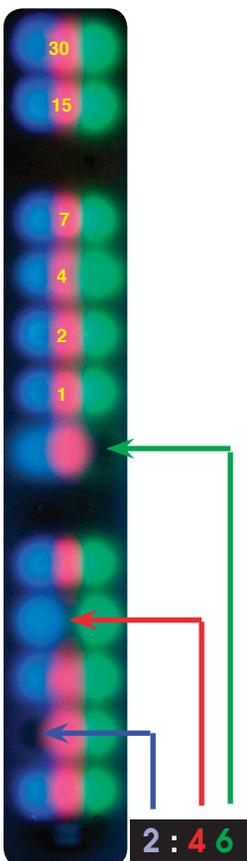
ProtoTime – Clock/Light, Instructions

Or, maximize the fun by getting to know your art clock.

ProtoTime is meant to be a fun light that is also a clock with an hourly chime (chime may be turned off). It can be dimmed to use as a night light or the light turned off completely. It will keep time with the power off. Enjoy!

Reading the Time

One of the delights of ChronoArt clocks is that after a few days, reading it will become second nature to you, while remaining mysterious to others. At first glance it appears like you would spend all your time counting the position of the flashing lites in each column. But, in reality, after a short time, you will see each position as a number and not have to count.



The time is the position of the OFF or flashing light in each column. The left column is the hour, the middle column is the tens-of-minutes, and the right column is the minutes. The time is the number of lights from the bottom. See example to the left. Don't pay attention to those yellow numbers; they will be explained later.

Setting the Time

There are three switches on the right side of the clock. In the middle of the circuit board, they stick out from the side. The top switch is the Hour Set. Just below that is the Minute Set switch. With each minute advance the seconds are set to zero.

So setting the last minute at 59 seconds will make the hourly chime precise.

The Hourly Chime

The clock has an hourly chime. It is a sweet, non-intrusive, dinner bell sound. There is

a volume control on the back. If you desire you may disable the chime sound by turning the volume all the way down. The hour light marches up the left side synchronized to the beat of the chime.

Time Keeping When Power is Off

There are 2 AAA size alkaline batteries on the back of the clock. They will keep time, no display, when the power is off. To turn off the lights you can put the clock on a switch if you like. The batteries should be changed every three years.

Changing Modes – Kinetic (seconds display on), blinking, or static.

The third switch down, on the right side of the clock, is the mode switch. The default mode is blinking the time with seconds off. This is the easiest to read mode. If you hold-in the mode switch, the clock will "ding" and switch to the kinetic mode, (seconds ON mode). This mode is to make the clock more fun, for parties, or a gamesroom. The next mode is static, no blinking, the time is the off lamps. This is the peaceful mode but a little harder to read. Then it goes back to the beginning.

1. Time blinking, seconds off.
2. Time blinking, with seconds.
3. Static display, no blinking, seconds off.

Brightness adjustment

If you hold down both the Hour set switch and the Mode switch you can adjust the brightness to three levels plus OFF.

It will step in brightness as you hold in the switches – bright, medium, dim, OFF, and then back to bright. The LEDs will last many years in the medium mode, but if you want them to last 20 years, avoid the bright mode for more than a few days, now and then. The dim is nice for a bedroom.

Additional seconds mode info

The seconds are for fun, and not meant for reading, but if you are interested here is how they can be read. The 6 upper lights in the middle column are the seconds. From top to bottom they are, when lit, worth 30, 15, 7, 4, 2, 1. This totals to 59. At zero seconds they are all off, and at 59 seconds all lit. Their values are shown in the diagram on the left. The sum of the values of each light lit is the seconds. Having the seconds on makes the clock harder to read because your eye is drawn to all the flashing in the seconds area.

Wall Mounting

There are holes in the back for hanging the clock either vertically or horizontally. When vertically hanging there are extra holes the same distance apart as the holes in standard electrical boxes. The electricity can be switched on/off to turn off ProtoTime's light. When the power is off, time keeping is maintained with batteries and an accurate crystal. **Caution:** Don't use an electronic wall dimmer on the clock, it will drain the back up batteries. If you want it dimmer see the brightness adjustment paragraph.

Accuracy

The clock is accurate within 2 seconds except when the power is OFF. When the power is off it should be accurate to about a minute/year.

Trouble? Resetting the Clock.

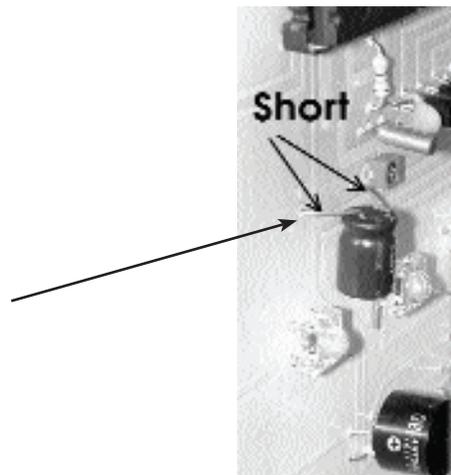
If the clock face goes blank (no light on) or fails to work properly, do the following:

Unplug the clock from the wall.

Remove one of the batteries from the back.

Then short out the capacitor on left side of the clock with a paper clip or a key, anything metal. See picture at right.

Then plug in the clock. It should light up. Then, finally, put the battery back in and set the time.



Problems, Solutions, The Shipping Box

Keep the Shipping box and packing material for at least the first 90 days. Most failures happen soon and this will make your life easier if there is a problem. If you have a problem and can't find a good solution, call me.

Send in the Registration Card

If I move I need to keep you informed. Or if I have updates to offer, I'll need your address.

Warranty & Repair

Your clock is guaranteed against defects, under normal use, for one year from the date of purchase. The warranty covers parts and labor only. All repairs are done at the factory. If you have any difficulty with the clock please write or call the factory.

A Personal Note

My name is Barry Gamble. I have been designing art clocks for 33 years. I love the creation process. My design goals are to delight, charm, and be fun. The product should be chic, sophisticated, make-a-statement, and make an adult giggle.

I doubt that I will manufacture more than 100 ProtoTimes. Each one is numbered starting at 1.

I do my best to deliver a quality product, deliver promptly, and charge only a reasonable profit.

Enjoy!

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