


INSTRUCTION

®
TIME--LITE

"Known The World Over"

MANUAL



INDUSTRIAL TIMER

AN ESTERLINE COMPANY

You are now the proud owner of a
TIME-O-LITE, *known the world over*
as a fine, precision instrument.

Time-O-Lites are used and recognized throughout the world because they have proved themselves to be lasting, indispensable aids for better photographic processing. Similar timers, which we manufacture, are used by the leading firms in every industry for hundreds of applications such as electronic tube control, blue printing, photo-engraving, electroplat-

ing, induction heating, dough mixing, chemical agitation and plastic molding.

Your Time-O-Lite is designed to help you make better photographic prints without a chance of spoiling them due to under or over exposure. It will save you time, money and paper. You'll find it easier to get good prints because your Time-O-Lite as-

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IT'S EASY TO USE A TIME-O-LITE

This instruction manual has been prepared to help you use your Time-O-Lite correctly and efficiently. The instructions are simple and easy to follow. Please read them carefully so that you can get the maximum value and pleasure from the precision instrument you now possess.

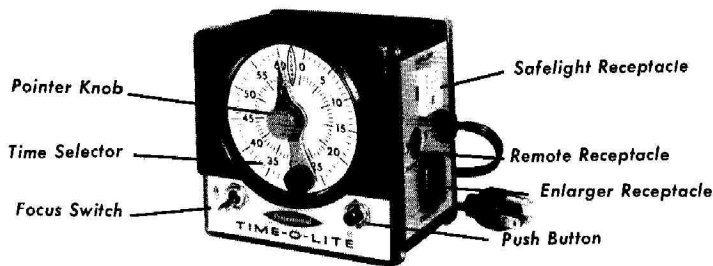
sures you of split-second accuracy time after time. All this, with the least amount of attention and effort.

Your new Time-O-Lite is the result of 30 years of experience, research and improvement in timing control devices. It is designed for those particular people who want the finest in photographic equipment. It is a durable, industrial-type mechanism built to withstand hard usage for years. Depend on your Time-O-

Lite for unquestioned accuracy and long life.

You'll be interested in other Time-O-Lite products. No matter which one you have now, read about other models in this manual. Each one is designed to do a specific photo-processing control job for you. Next time you go to your camera store, ask your dealer to show you other Time-O-Lite products. He'll help you plan a really modern darkroom.

PROFESSIONAL MODEL P-72



Your new Professional P-72 is specifically designed to make your dark-room work easier. The P-72 is a dependable automatic time control mechanism, built to exacting industrial specifications. Now you can be sure of positive accuracy in process control. You'll find that it saves you time and valuable photographic paper.

The Time-O-Lite Professional is a versatile instrument. It may be used to control the enlarger with a foot-switch, to control your enlarger alone, to operate safelites automatically with the enlarger, and is ideal for operating a contact printer. It operates in any position and may be hung on a wall by keyholes located in the back of the case.

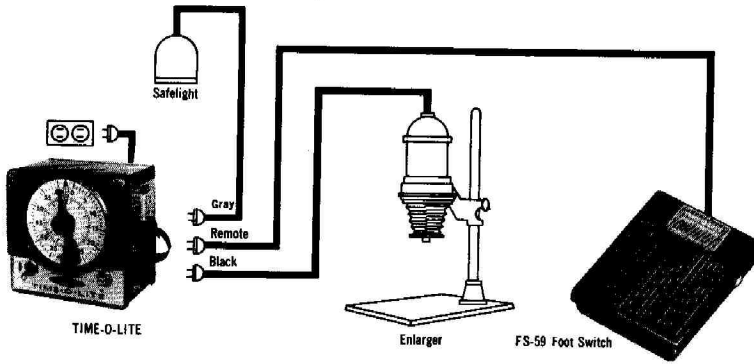
The P-72 will operate accurately only if your power conforms with the

specifications on the name plate attached to the back of the case.

I. FOR USE WITH THE ENLARGER

- a. Insert plug of enlarger cord in ENLARGER receptacle of the P-72, the timer now controls all current going to the enlarger.
- b. Insert plug on cord of P-72 into wall receptacle for power supply.
- c. To focus negative operate toggle switch to FOCUS position. This turns light on in enlarger without starting the timing mechanism.
- d. Plug safelite into Gray receptacle. Timer now turns safelite out automatically when enlarging or focusing.

Figure 1.



- e. When focusing is completed operate toggle switch to **TIME** position.
 - f. Set time selector to the number of seconds (time interval) required. P-72 is now ready to work.
 - g. Press Push button. **TIME-O-LITE** will do the rest automatically.
- d. Set to desired time cycle.
 - e. Start timer by momentarily stepping on footswitch. Timer starts enlarger goes on, safelites go out. Operation reverses at end of time cycle.

III. FOR USE WITH A CONTACT PRINTER

II. FOR USE WITH ENLARGER AND FOOTSWITCH

- a. Insert footswitch plug into receptacle marked **REMOTE**.
 - b. Insert enlarger plug into timer (receptacle marked **ENLARGER**).
 - c. Insert safelite plug into timer (receptacle marked **SAFELITE**).
- a. Minor changes in wiring must be made in a contact printer when it is to be controlled with the **TIME-O-LITE P-72**. Figure #2 shows the common wiring of the average contact printer. The changed wiring is shown in figure #3.
 - b. Connect wires from platen or momentary contact switch to special

Figure 2

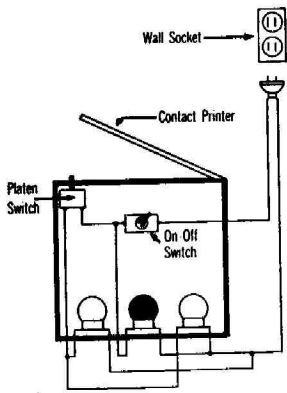
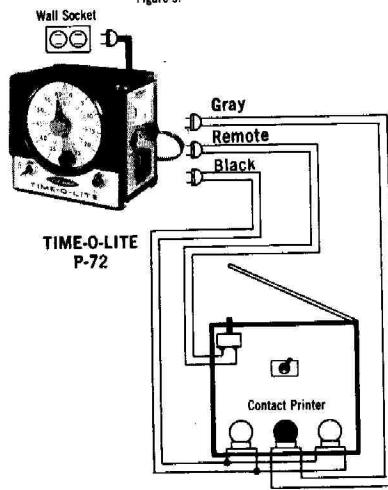


Figure 3.



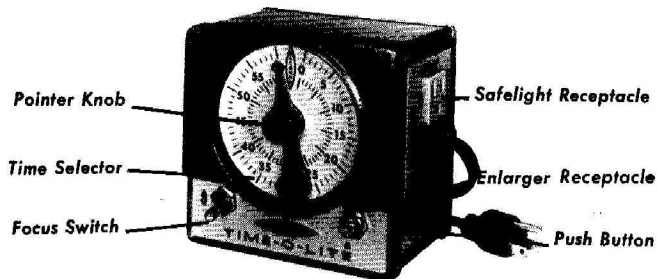
- small plug, and insert plug into small receptacle on P-72.
- c. Connect wires from white lamps to a regular plug. Insert plug into BLACK receptacle on P-72.
 - d. Connect wires from RED lamp to a plug and insert into Gray receptacle.
 - e. To focus or dodge with white lamps, operate toggle switch to FOCUS position.
 - g. When focus is complete, operate toggle switch to TIME position.

- h. Set point on P-72 to seconds desired for exposure.
- i. When platen is closed P-72 will time exposure automatically.

IV. GENERAL

- a. Toggle Switch — The toggle switch when operated into the down or FOCUS position permits power to flow continually to the enlarger or controlled light without operating the timer. When operated into the up or TIME position the timer is ready to be operated by either the

MASTER MODEL M-72



You've made an investment in accuracy with your Time-O-Lite Master. It is designed and built for one thing—to give you a dependable, automatic means of controlling exposure time. With a Time-O-Lite, split second timing is a simple matter. You'll find that it saves you time, trouble, and valuable photographic paper.

Your Time-O-Lite will operate accurately only if your power source conforms with the specifications on the nameplate attached to the back of the case.

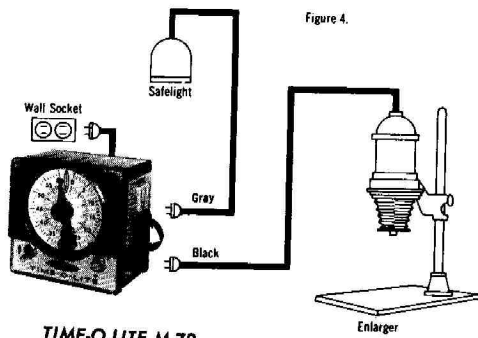
I. FOR USE WITH THE ENLARGER

- a. Insert plug of enlarger cord in black receptacle of M-72. Timer now controls all current going to the enlarger.

- b. Insert plug on cord of M-72 into wall socket for power supply.
- c. Insert darkroom safelite plug into gray receptacle of timer, timer now controls safelite.
- d. To focus—operate toggle switch to FOCUS position. This turns light on in enlarger, and turns darkroom safelites off without starting the timing mechanism. When focusing is completed operate toggle switch to TIME position.
- e. Set time selector to time required. Time-O-Lite is now ready to work.
- f. Press Push button, Time-O-Lite will do the rest automatically.

II. GENERAL

- a. Toggle Switch—The toggle switch when operated into the down or FOCUS position permits power to



TIME-O-LITE M-72

flow continually to the enlarger without operating the timing mechanism. At the same time the darkroom safelites are extinguished. When operated into the up or TIME position the timing mechanism will start upon actuation of the Push button.

b. DIAL AND SETTING ARMS—

The dial has two scales with large dial divisions and easy to read figures. The outer scale is used for setting the time interval. The long silver pointer should be moved to the desired time setting on this dial. The inner scale is provided to permit accurate determination of the elapsed time. The red pointer will move counter clockwise from the set point to zero as the time interval elapses. The light goes out when the red pointer reaches zero.

- c. PUSH BUTTON —** The PUSH button is used to start the time interval. The instant it is pressed the time interval begins. The enlarger light goes on and the darkroom safelites go off. At the end of the interval the enlarger light turns off, and the darkroom safelites go on. Pressing the button during the time interval will not interrupt the interval. To repeat the time interval one only has to press the button.
- d. The Time-O-Lite Master M-72 is** a precise time measuring instrument, and while it is of unusually rugged construction it should not be mishandled.
- e. The M-72 may be operated in any** position, key holes are provided in the back of the case for wall mounting.

