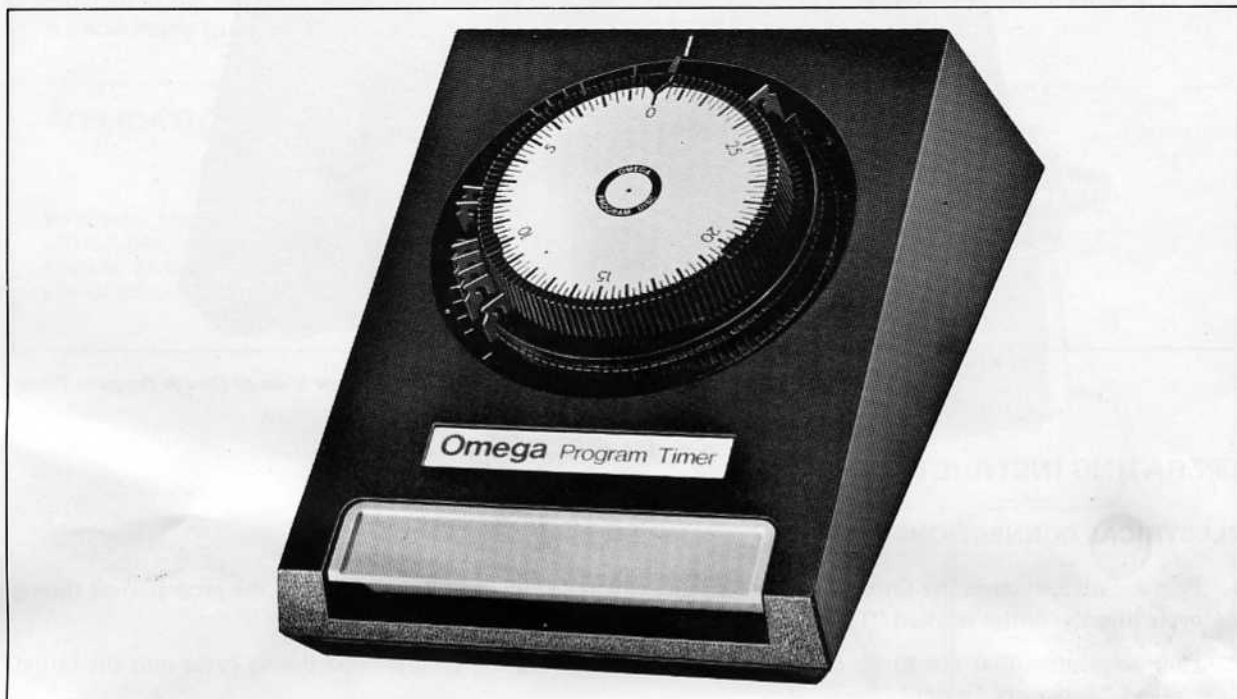




Omega

PROGRAM TIMER
Catalog Number 461-022

TECHNICAL
INFORMATION
AND
INSTRUCTIONS



Omega Program Timer

The Omega Program Timer is a precision programmable timer which allows you to select and control sequential timing operations. By utilizing the programmable function of the timer, you can select different combinations of time intervals which can be used to control functions such as processing color paper with a Chromega Dual Action Agitator.

Programming of the timer is very simple by removing or inserting program tabs. Once a program is set, it can be stored for future use by removing the complete timer dial. Accessory timer dials can be purchased for the timer so that any number of programs can be instantly available.

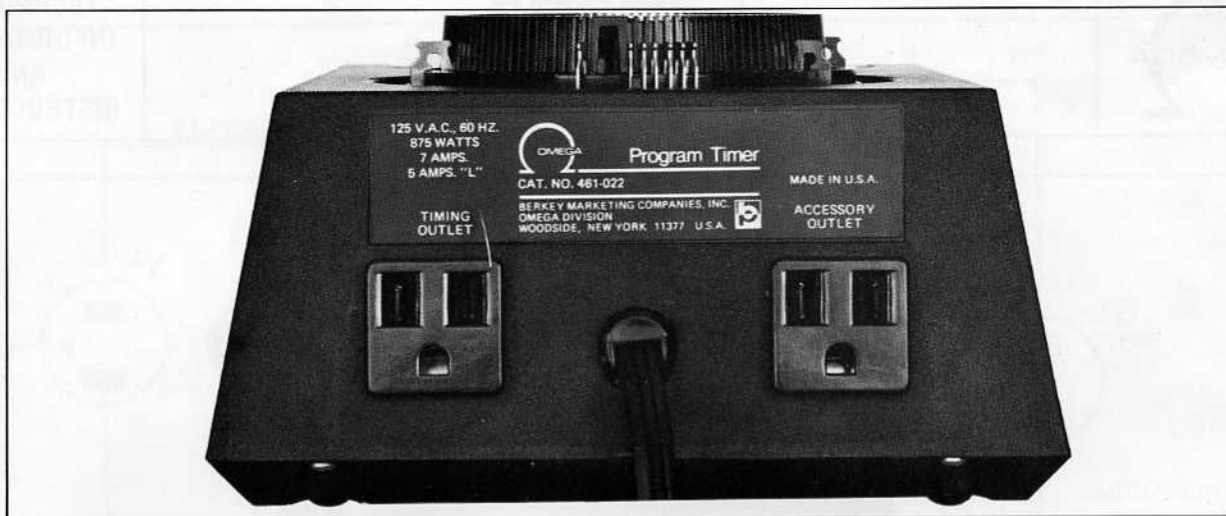
The timer has two outlets for simultaneous "dual mode" operation. One outlet is normally on and is turned off when the cycle begins. The other is normally off and is turned on when the cycle begins.

The timer is designed to handle loads up to 875 watts. All controls are located on an inclined top panel for easy accessibility with the user in standing or sitting positions. For simplicity of operation the timer features a large starting actuator which is depressed to start the timer. A bell signals the end of each sequence. This bell feature also allows the timer to be used as a signal in the monitoring of manual darkroom operations such as tray processing of prints. For added stability during operation, the timer rests on non-skid, no-mar urethane feet.

Connecting cord and receptacles are located at the rear of the unit for convenience and safety.

PRINCIPAL FEATURES

CONSTRUCTION	High impact chemical resistant black A.B.S. plastic.
CIRCUITRY	Synchronous motor timing mechanism for high accuracy.
TIMING RANGE	30 seconds minimum to 29 minutes 30 seconds maximum in 15 second increments. Accurate to ± 6 sec. to first tab, ± 1 sec. between tabs.
CONTROLS	Instantly removable program discs, large textured actuator starts the timing cycle, two 3-wire grounded outlets, one normally on, the other normally off, non-skid base, automatic accessory control, 6', 3-wire line cord with molded plug.



Rear View of Omega Program Timer

OPERATING INSTRUCTIONS

ELECTRICAL CONNECTIONS

1. Plug a device, such as the Chromega Dual Action Agitator, that is to be controlled by the programmed timing cycle into the outlet marked "Timing Outlet".
2. Plug accessories that are to be on at all times except during the programmed timing cycle into the outlet marked "Accessory Outlet".
3. Plug timer's line cord into any 120 VAC 60 Hz wall outlet.

PROGRAMMING THE TIMING CYCLE

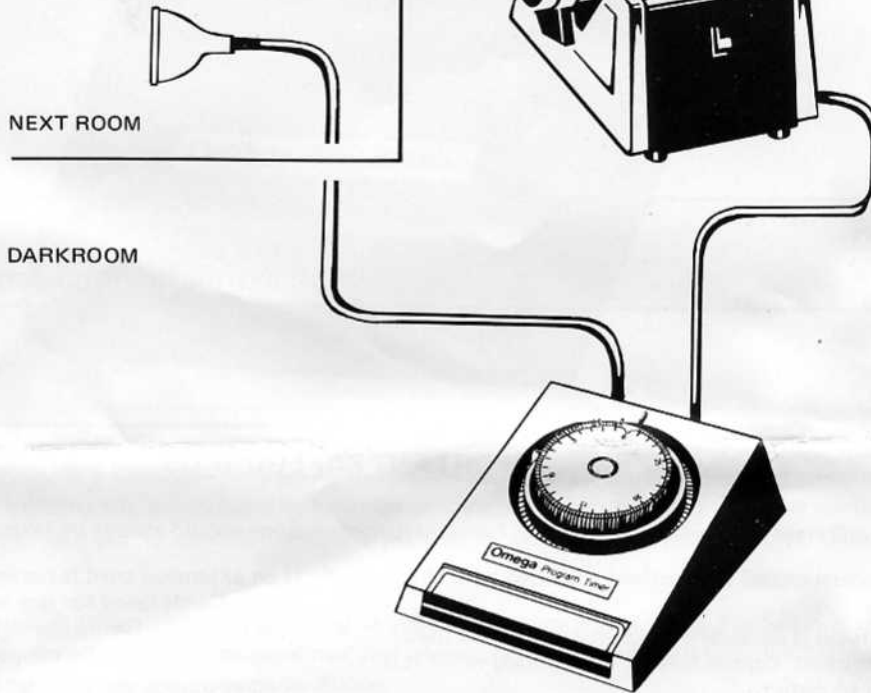
1. Lift the timer dial assembly off the black plastic center hub. Note that the bottom of the dial assembly has a center hole and has internal teeth to fit over the drive gear. An index pin is permanently mounted in the bottom of the dial assembly as a start reference point.
2. Remove the number of program tabs necessary to complete your timing cycle. One tab is necessary at the end of each timing step.
3. There are four timing slots for each minute on the dial assembly, each slot representing 15 sec. Note, however, that during the first minute of operation the 15 sec. slot can't be used and the minimum program time is 30 sec. from start. The tabs are now inserted flag side out and fully down into the dial slots corresponding to the selected time intervals indicated by the graduations on the time disc. Since a dozen tabs are provided and most programs use less than twelve intervals, it is suggested that the extra tabs be stored in the last slot positions of the dial.
4. The timer comes with two white program discs that can be labeled for future reference as to their timing functions. Put a mark on the program disc next to each tab inserted into the timer dial. This will serve as a quick and easy reference when reprogramming the timer for a particular program disc. To change program discs, remove the program disc on the dial assembly and insert the new program disc under the 0 indicator and two fingers of the dial. Curling the disc slightly will make installation easier. Be sure to align the notch in the disc with the 0 index. As another feature, the dial assembly can be quickly reprogrammed by inserting the necessary program tabs into the slots of the dial corresponding to the times previously labeled on the program disc.
5. Replace the dial assembly on the hub of the timer with the 0 indicator at a position other than zero index mark. Rotate the dial clockwise until it stops at the zero index mark.

OPERATION

1. Push the actuator to start the timing cycle. At the end of the timing cycle the timer will stop, a bell will sound, and the actuator will return to its off position. To begin the next timing cycle, again press the actuator. Repeat this sequence until the end of all program steps.
2. After all of the sections of the program have been completed, rotate the disc clockwise until it stops at 0. You are now ready to start the program again.

APPLICATIONS:

WARNING LIGHT IN
OTHER ROOM TO
SIGNAL END OF
PROCESSING TIME.



ACCESSORIES

Extra timer dials, program discs and program tabs can be purchased separately at your local authorized Omega dealer.

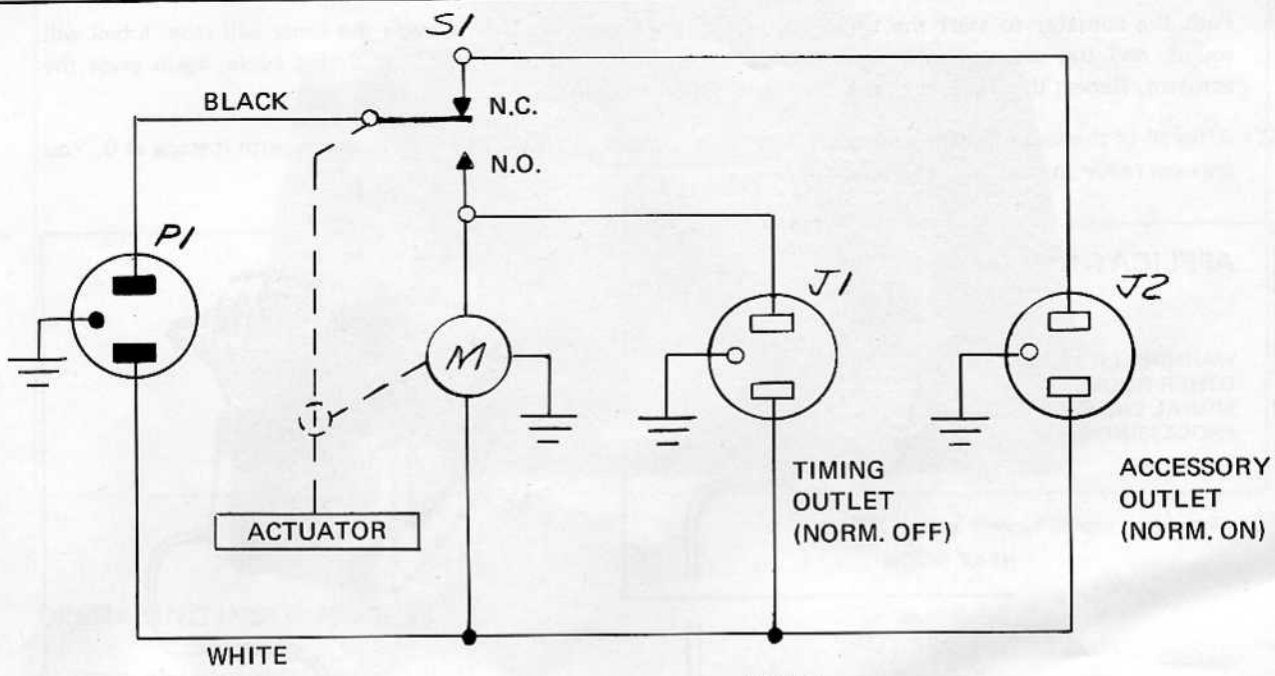
Omega Program Kit, Cat. No. 461-024, consists of three program discs and 36 program tabs.

Omega Dial Set, Cat. No. 461-026, consists of one timer dial, one program disc, and 12 program tabs.

The use of these accessory kits will make your new Omega Program Timer extremely versatile and convenient to use with any photographic process.

SPECIFICATIONS

Input Voltage	.....	100-125 VAC 60 Hz.
Maximum Load, Both Outlets	.....	875 watts
Timing Range	.....	30 Sec. to 29 Min. 30 Sec. in 15 Sec. Increments
Accuracy	.....	0 to first tab \pm 6 sec. — Between tabs \pm 1 sec.
Dimensions	.....	.8½" x 5½" x 3¼"
Weight	.....	1½ lbs.
Safety compliance	.....	U.L. Listed



NOTE:
ALL GROUNDS COMMONLY INTERCONNECTED.

IMPORTANT SAFEGUARDS

When using your Omega Photographic products, basic safety precautions should always be taken, including the following:

1. Read and understand all instructions provided with this product.
2. Close supervision is necessary when this product is used by or near children. Do not leave it unattended while it is plugged into an outlet.
3. Avoid touching the lamp area of enlargers or other hot parts as it may cause burns.
4. Do not operate this product if the power supply cord has been damaged or if the product has been dropped or damaged. Have it checked out and repaired if necessary by qualified service men before using.
5. Route the power supply cord away from hot areas. Do not let the cord hang over a counter edge or across an open area where people pass.
6. If an extension cord is necessary, use one with a suitable rating. Cords rated for less amperage than the product may overheat. Route the extension cord away from open areas where it may be tripped over or pulled.
7. Always unplug the product after use. Grasp the plug and firmly pull from the outlet to disconnect. Never yank the cord from the outlet.
8. Allow the product to cool to room temperature before storing. Wrap the power cord loosely around the product.
9. Do not immerse this product in water or other liquids.
10. To avoid electric shocks, do not attempt to disassemble or repair this product. Always have it serviced by qualified servicemen when necessary.

Incorrect reassembly can cause electric shock hazards.

SAVE THESE INSTRUCTIONS

These safeguards are prescribed by Underwriters Laboratories to be included in this instruction sheet for U.L. listed products. Some precautions may not apply to this product.

Prices and specifications subject to change without notice.

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