



INDUSTRIAL TIMER

VEEDER-ROOT COMPANY

M-72 TIME-O-LITE MASTER TIMER

INSTALLATION, OPERATION & SERVICE INSTRUCTIONS

1. INTRODUCTION

A. GENERAL. The Time-O-Lite Model M-72 Master Photographic Timer is designed and manufactured by Industrial Timer Group, Veeder-Root Company, 70 Sargeant Street, Hartford, Connecticut 06102.

Consult Industrial Timer/Veeder-Root on any unusual application, installation or possible modification of this basic design.

B. DESCRIPTION. The M-72 is intended to provide fully automatic timing of all darkroom work. Interval and remaining time indicators can be read at a glance from the luminous dial. Linecord, enlarger and safelight outlets are polarized with a two wire and ground connection. The output capacity is 1000 watt load. The timer is UL listed, CSA approved for 120v-ac 50 or 60 Hz only.

C. STANDARD MODELS

Model	Volts	Hertz	Maximum Time	Dial Calibration
M72-60S	120	50 or 60	60 Sec.	1 Sec.

2. INSTALLATION

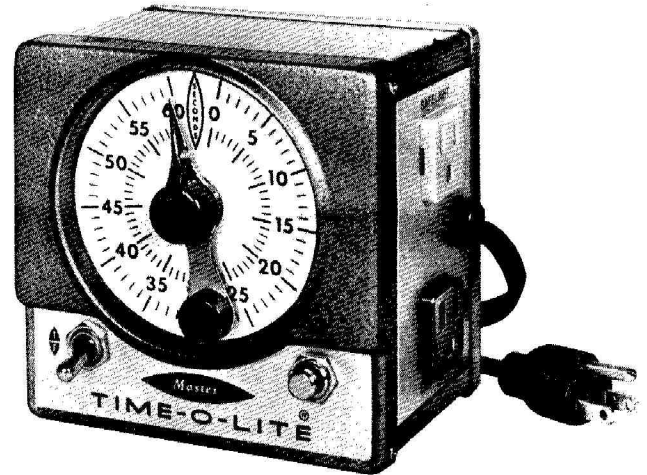
A. GENERAL. Before installing your Time-O-Lite timer, be sure to read these instructions.

WARNING: IN INSTALLATION AND USE OF THIS PRODUCT, COMPLY WITH THE NATIONAL ELECTRICAL CODE; FEDERAL, STATE AND LOCAL CODES; AND ANY OTHER APPLICABLE SAFETY CODES. IN ADDITION, TURN OFF POWER AND TAKE OTHER NECESSARY PRECAUTIONS DURING INSTALLATION TO PREVENT PERSONAL INJURY, PROPERTY LOSS AND EQUIPMENT DAMAGE. IF INSTALLATION IS TO BE IN A VOLATILE, COMBUSTIBLE OR EXPLOSIVE ATMOSPHERE, THIS PRODUCT MUST BE HOUSED IN AN APPROPRIATE ENCLOSURE AS REQUIRED FOR USE IN SUCH ATMOSPHERE BY NATIONAL ELECTRICAL CODE AND ANY LOCAL APPLICABLE STANDARDS.

The timer is designed for operation in a normal, clean environment containing no harmful contaminants or air particles. Installation and operation in a dirty, corrosive, contaminated or otherwise unclean environment may yield unsatisfactory performance or reduced life and reliability.

Do not install the timer in an area where it might get wet, or come in contact with any liquids.

B. MOUNTING. The timer can be mounted in any position. Key holes are provided on the rear of the housing so it can be hung on a wall.



C. CONNECTING ENLARGER AND SAFELIGHT. Plug the enlarger power cord into the Black Enlarger Receptacle. Plug the safelight into the Grey Safelight Receptacle.

Plug the line cord into a properly grounded 3-wire 120v-ac receptacle.

3. OPERATION

A. TIME SELECTION. Turn the time selector knob to the desired time duration. The red pointer knob will move and come to rest against the stop on the selector knob.

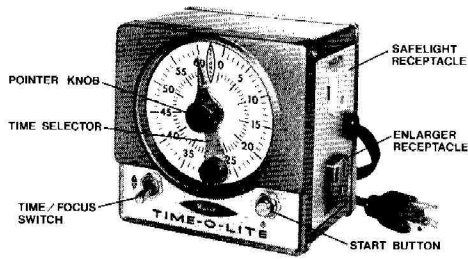
B. TOGGLE SWITCH. Putting the switch in the F (Focus) position turns on the enlarger and turns off the safelight without starting the timing cycle. After focusing the enlarger, put the switch into the T (Time) position. The enlarger will go off and the safelight will go on.

C. PUSH BUTTON. Press the push button to start the timing cycle. When the cycle has started, pressing the button has no further effect.

D. CONTROL OF OTHER PROCESSES.

WARNING: WHEN THE TIMER IS USED TO CONTROL A MACHINE OR PROCESS WHERE PERSONAL INJURY OR EQUIPMENT DAMAGE MIGHT OCCUR AS A RESULT OF FAILURE OF ANY ELECTRIC OR OTHER TIMER FUNCTION, YOU ARE URGENTLY RECOMMENDED TO INSIST ON INSTALLATION OF SAFEGUARDS WHICH WOULD PROTECT THE OPERATOR AND/OR MACHINE IN THE EVENT OF ANY UNEXPECTED OPERATION OF THE MACHINE OR PROCESS.

The M-72 Timer can be used to control any device that does not require more than 1000 watts at 120v-ac.



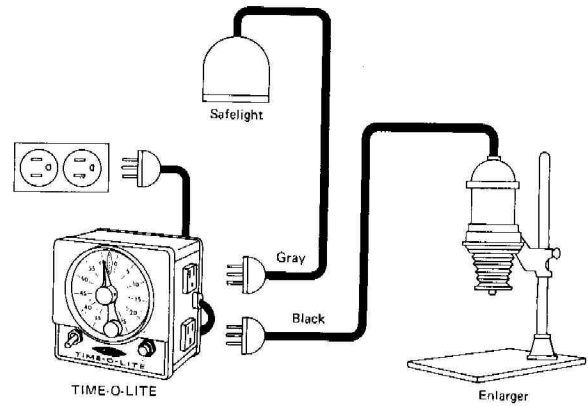
4. IN CASE OF DIFFICULTY

NO attempt to repair or calibrate the timer should be made by the user. There are no user serviceable parts inside the timer, and no attempt to open the case should be made.

If service to the timer is required, see the Limited Warranty for instructions.

5. LIMITED WARRANTY

Industrial Timer Group/Veeder-Root Company ("Industrial Timer") warrants to the original purchaser of this product that it will be free from defects in material and workmanship for a period of one year from the date of purchase. Industrial Timer will repair or replace, at its option, free of charge, any product that is defective, provided that it is delivered during the warranty period, shipment costs prepaid, together with proof of purchase to: Industrial Timer Group/Veeder-Root Company, 70 Walnut Street, Hartford, CT 06120, Attn: Service Department. This Limited Warranty does not apply



if the product has been subjected to misuse, negligence or accident; or misapplied; or modified or repaired by unauthorized persons when the alleged defect is caused by such unauthorized modification or repair.

INDUSTRIAL TIMER SHALL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES. THE DURATION OF ANY IMPLIED WARRANTIES TO THE ORIGINAL PURCHASER IS LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. THE REMEDY FOR BREACH OF ANY SUCH IMPLIED WARRANTY SHALL BE LIMITED TO THE REMEDY PROVIDED UNDER THIS LIMITED WARRANTY.

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

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VEEDER-ROOT COMPANY
 A SUBSIDIARY OF WESTERN PACIFIC INDUSTRIES



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