

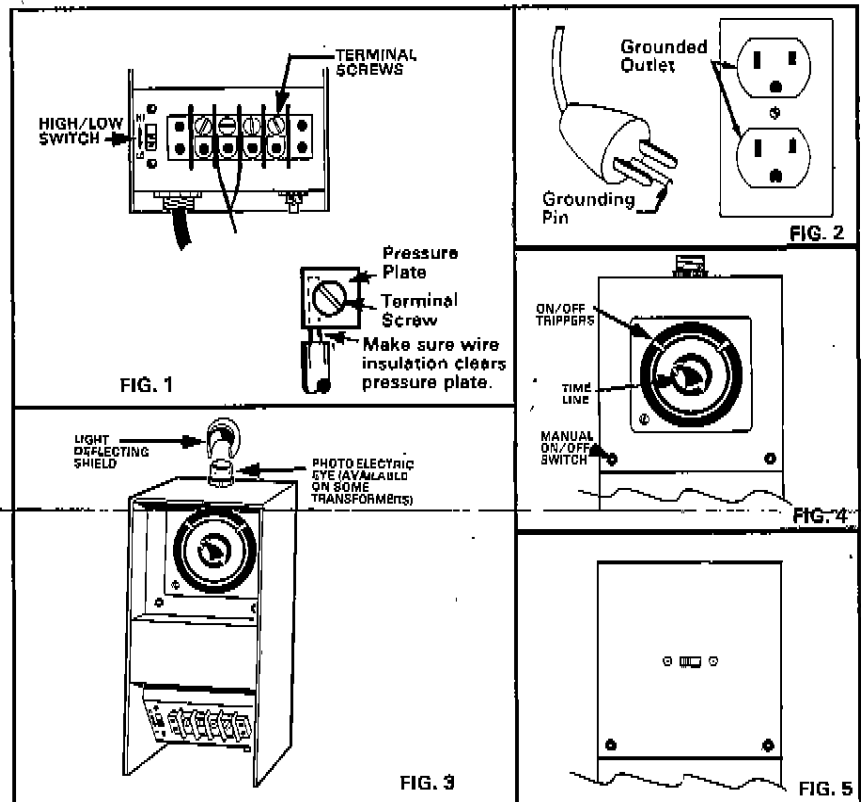
Professional Landscape Lighting by INTERMATIC®

LIGHTING SYSTEMS TRANSFORMER INSTALLATION AND OPERATING INSTRUCTIONS

LOCATING AND INSTALLING YOUR TRANSFORMER

Once you have surveyed your property and determined where to place your accent lighting... such as along the walk, outlining the patio, etc., then...

1. Attach power cable to bottom of transformer with two terminal screw provided. See Fig. 1.
2. Hang raintight transformer within 1 foot of a standard grounded electrical outlet (115/125 volt only). See Figure 2. This product should be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not repair, or tamper with, this cord or plug without the assistance of an electrician or qualified serviceman. When mounted out-of-doors install transformer not less than one foot above ground with cable terminals down.
3. Plug transformer power cord into the grounded outlet described in step 2 and turn it on. It will be necessary to cover the photoelectric eye at this time so it does not see light. See Figure 3. A piece of electrical tape will work for this purpose. Turn the timer dial so that the **ON** orange tripper passes the time line indicator. See Figure 4.
4. Stretch power cable to full length and route it where lights are going to be installed.
5. Refer to and follow the instructions included which specifically relate to the assembly and installation of your low voltage lighting fixtures.



Once fixtures are installed, they can be controlled in a variety of ways with your model power pack. Follow specific instructions for the method that best suits your needs.

COMBINATION PHOTO CONTROL AND TIMER ON/OFF - Your lights can be set to go on or off in a variety of ways by utilizing both the photo control and the timer. First, make certain that the unit is mounted so that the photo eye is exposed only to natural daylight. For best results, mount transformer on an unshaded surface protected from artificial lights. With low voltage cable attached as shown in Figure 1, plug power cord into a live grounded outlet and **make certain unit is turned on**, see switch in Figure 4. During daylight hours, it will be necessary to cover the photo eye with something like dark tape to simulate darkness or the unit will remain off. This unit is supplied with a light deflecting shield, see Figure 3, which may be rotated to compensate for unusual light conditions. Shield is used by snapping on to the threaded part of the photo eye. To override the photo control and turn the lights off at a specific time during hours of darkness, insert one of the blue **OFF** trippers next to the time you want the lights to go off, see Figure 4. If you should want the lights to come back on again before daylight, place one of the **ON** orange trippers next to the time you want the lights to turn back on. The lights will remain on until the photo control turns them off at dawn. Once these steps have been completed, turn the timer dial clockwise one or more complete revolutions until the present time-of-day is adjacent to the time arrow on the dial.

Please note that an **ON** orange tripper **must be used** to activate the photo control prior to darkness; we suggest setting it at the noon position. The lights will then turn on momentarily each day at noon which indicates that the photo control is working properly. They will then turn off and come back on at dusk.

TIMER CONTROL ON/OFF - (On or off at preset times). Mount power pack and attach cable as explained in steps 1 and 2. On and off times are determined by tripper placements, see Figure 4. Insert **ON** orange tripper next to the time you want lights to come on and blue **OFF** tripper next to the time you want the lights to go off. If you desire a second ON/OFF cycle, use two sets of trippers. To set timer, make certain unit is plugged into a live grounded outlet, then turn dial clockwise one or more complete revolutions until the present time-of-day is adjacent to the time-of-day arrow. If you want the lights on during daylight hours for any reason, it will be necessary for the photo eye to be covered with electrical tape or something similar so that it does

not activate or deactivate the lights. The lights will now operate on and off at the preselected times.

PHOTO CONTROL ON/OFF - (On at dark/off at light). Make certain that unit is mounted so that photo eye is exposed only to natural daylight. For best results, mount transformer on an unshaded surface protected from artificial lights. With low voltage cable attached as shown in Figure 1, plug power cord into a live grounded outlet and make certain unit is turned on, see switch in Figure 4. During daylight hours, it will be necessary to cover the photo eye with something like dark tape to simulate darkness or the unit will remain off. This unit is supplied with a light deflecting shield, see Figure 3, which may be rotated to compensate unusual light conditions. Shield is used by snapping on to the threaded part of the photo control. Remove all trippers from timer and unit will come on each night at dusk and off each morning at dawn; the exact times will vary depending on the amount of light that is "seen" by the photo eye.

MANUAL ON/OFF: Slide switch to the desired on or off position. See Figure 5.

HIGH LOW SWITCH - A high/low switch is provided. This switch will reduce current when the total wattage of lamps in the system is 30% or less of transformer rating to prolong bulb life. Place switch in high position if total lamp wattage is 70% or more of transformer rating. See Figure 1.

SUGGESTIONS TO SOLVE PROBLEMS QUICKLY

1. Make sure transformer is plugged in. Is outlet working?
2. Metal pierce terminals in the lamp housing and/or cable connector must be straight and must penetrate cable insulation in a way to make contact with copper wire. If terminals are bent, straighten with pliers.
3. Make certain switch on transformer is in the "ON" position. For timer models, rotate dial so "ON" tripper passes time-line indicator.
4. Is lamp burned out? Use another lamp to test.

NOTE: This lighting system is designed to last for many years under normal conditions. However, like any other types, eventually burn out and losing one can shorten the life of the others. Conditions beyond control (high input voltage, poor regulation, etc.) will also affect lamp life. It is, therefore, important to replace a burned out lamp promptly.

FULL ONE YEAR WARRANTY

If within one (1) year from the date of purchase, this product fails due to a defect in material or workmanship, Intermatic Incorporated will repair or replace it free of charge.

The warranty does not apply to (a) damage caused by accident, abuse, mishandling, dropping; (b) units which have been subject to unauthorized repair, opened, taken apart; (c) units not used accordance with directions; (d) damages exceeding the cost of the product; (e) sealed lamps and/or light bulbs. Some states do not allow a limitation of damages so the foregoing limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. The warranty service is available by either (a) returning the product to the dealer from whom the unit was purchased, or (b) mailing postage prepaid to the authorized service station listed below. Please be sure to wrap the product securely when mailing to avoid shipping damage. The warranty is made by Intermatic Incorporated, Intermatic Plaza, Spring Grove, Illinois 60081-9698.

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