

Please Read all Installation Instructions BEFORE BEGINNING

12 Volt Transformer Powered FIREFLY MAGIC™ Lights Model FMT-07 & Model FMT-12

**WARNING: Model FMT-07 and FMT-12 FIREFLY MAGIC™ LIGHTS
ARE TO BE CONNECTED ONLY TO A UL APPROVED 12 VOLT AC
OUTDOOR LANDSCAPE LIGHTING TRANSFORMER.**

Your Firefly Magic™ Lights are designed to work only with a 12 Volt AC input only. This is the typical voltage supplied by most residential and commercial landscape lighting transformers, but always check the transformer label before making any connections.

CONNECTING TO A NEW DEDICATED TRANSFORMER

If you are installing a transformer to specifically operate your Firefly Magic™ Lights, just connect the two low voltage conductor wires from the Firefly Magic™ microprocessor module to the two screw-terminals on the transformer. Plug the transformer into an approved outlet and set the timer according to the instructions that come with the transformer. When power is supplied to the Firefly Magic™ Lights, a small LED in the end of the microprocessor module will glow. **NOTE:** When the transformer power is initially turned on, all the Firefly Magic™ Lights will come on for approximately 1-3 seconds and then fade off. This activates the microprocessor program to begin the random flickering, flashing, and glow of the electronic fireflies.

CONNECTING TO AN ALREADY INSTALLED LANDSCAPE LIGHTING SYSTEM

- 1) Before attaching the Firefly Magic™ Lights to the landscape lighting system wires, be sure the power to the supply transformer is turned off and the transformer is unplugged from its power source.
- 2) You can connect the Firefly Magic™ Lights microprocessor module (or modules) anywhere along the low voltage landscape lighting output wiring that runs from the transformer to the low voltage landscape lights. Ideally, select locations in your garden where you can run the individual firefly wires that are attached to the microprocessor module into nearby foliage.
- 3) After deciding where to place the Firefly Magic™ microprocessor module, locate the nearby 12 Volt landscape lighting distribution wire. Using a connector block or waterproof wire nuts (not included), connect the Firefly Magic™ Microprocessor module wire to the 12 Volt landscape lighting system.
- 4) You can now plug in the low voltage landscape lighting transformer and manually turn it on. Check to verify your landscape lights have come on. If they have, now go to the Firefly Magic™ Lights module and look at the end where the wires come out. There is a small power-on light that should be glowing. This means you correctly attached the Firefly Magic™ Lights to your landscape lighting system and it is working correctly.
- 5) Next, turn off the landscape lighting transformer and set the timer for your preferred start time, and length of time you want your landscape lights to be on. If your transformer is equipped with the photo-electric cell, the start time setting will not be necessary as the lights will automatically come on at dusk. If the Firefly Magic™ Lights are on a dedicated transformer, it may set to continuous operation so the fireflies will be active during dark gray days, as well as at night.
- 6) Now you can carefully place each Firefly Magic™ electronic firefly where you want it. **NOTE: DO NOT** step on the small firefly lights or they will be damaged and not operate correctly. Run each firefly wire along the ground, up branches and out the stems of plants to reduce their visibility. Be sure each firefly light sticks out slightly so leaves do not cover it. **NOTE:** If the firefly light is placed near the end of a flexible stem or branch, any slight breeze will cause the firefly light to move, creating the added effect of fireflies dancing in the night.

Other Firefly Magic™ Light Sets

Firefly Magic™ Lights are available in three (3) Models: FMS - Solar powered, FMB - Battery powered for temporary and semi-permanent installations, and FMT - 12 Volt Landscape Lighting transformer powered. Each of these models can be ordered with either seven (7) electronic fireflies or twelve (12) electronic fireflies. For more information, visit our Website at www.FireflyMagic.com.

Patent Pending

© 2004 Firefly Magic™ • P.O. Box 162 Apple Valley, CA 92307 • install@fireflymagic.com • 1-877-8-FIREFLY

**NEVER CONNECT FIREFLY MAGIC™ LIGHTS TO ANY POWER SOURCE OTHER THAN A
UL APPROVED 12 VOLT AC OUTDOOR TRANSFORMER, AS DAMAGE OR INJURY MAY RESULT.**

www.FireflyMagic.com