



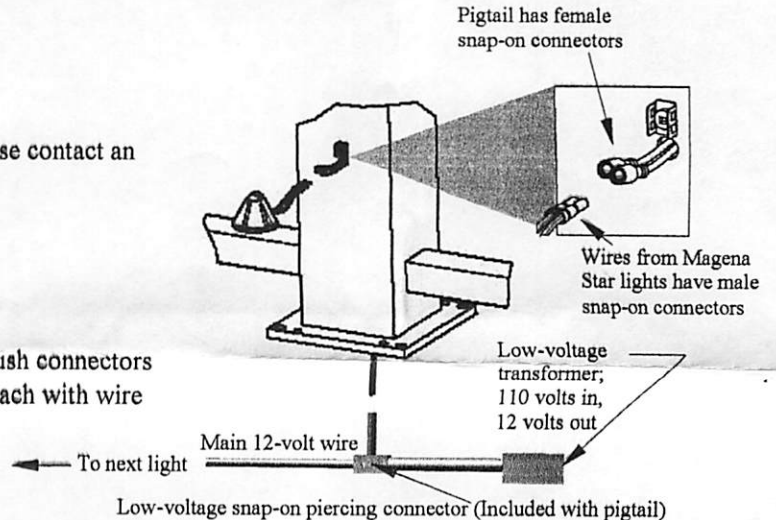
Side Mount Light Installation Instructions

Before You Start

- Read and understand the instructions completely.
- Be sure electrical current is turned off.
- If you have any doubts about how to install fixture, please contact an electrical contractor.

Installation

1. Attach bracket to post using screws provided.
2. Drill 3/8" hole right below bracket.
3. Connect light only to a 12-volt power source.
4. Connect wires from "12 volt supply line" to the light (push connectors together if using the pigtail) or if using standard wire attach with wire nut.
5. Place light on bracket.
6. Turn on power to confirm light is on.



Main low-voltage wire: Be sure to use a minimum of 12-gauge, UV protected, exterior grade wire. To determine the amount of wire required, measure the distance from the furthest light, in series, back to where the transformer will be mounted (interior or exterior, wherever an outlet is available). Each light is wired to the main low voltage wire using the pigtail. The wire is typically sold in 100' coils. The wire can be run above ground, under the joist or under the handrail, through the vinyl, or under the ground. It is low-voltage, so it need only be buried 3" or so underground. Wiring should not exceed 200' runs.

Transformer: The transformers are specified per the installation. Always size the transformer as close as possible to the required wattage draw, without going over. The wattage output of the transformer is important; you do not want too much or too little output on the transformer. To determine the size of transformer; 6 lights x 1 watts = 6 watts. Then select the appropriate size transformer. Transformers usually have built in timers to set on/off applications. With a switched exterior outlet your transformer can be controlled from indoors.

FREQUENTLY ASKED QUESTIONS:

1. **How many lights can I install on a transformer?** It depends on the transformer's rated wattage and the bulbs you intend to use. For the 121 watt transformer, you could use a maximum of one-hundred (100) 1 watt bulbs.
2. **How do I install wire in a wood post?** Simply cut or route a channel vertically on the face of the post. Once wire is installed, cover with a batten strip or cut a filler piece to match the slot size. Additionally, the wire can run under the guardrail. Run wire from post to post, under guardrail.
3. **Can I put the lights on an inside switch?** Yes. To do so, the outlet that the transformer plugs into must be wired to the desired switch. The transformer is then placed in "manual mode", operated by the light switch.
4. **Can a dimmer switch be used?** No
5. **Some lights appear dimmer than others, what do I do?** This is the result of wiring issues. Primarily due to longer distances from the transformer (200 or more feet).