

INSTALLATION INSTRUCTIONS

- 1) Suitable for indoor and outdoor use.
- 2) Mount weatherproof transformer within 2 ft. of a standard electrical 110/ 120v receptacle. Minimum 1 ft. above the ground when used outdoors.
- 3) Attach and crimp flange connectors to end of low voltage cable, then place in proper terminal block sections and tighten securely.
- 4) Plug grounded power cord into a recommended ground fault interrupter outlet (GFCI).

OPERATING INSTRUCTIONS

NO ACCESSORIES:

Transformer is controlled by a rocker switch at the bottom of this unit. Simply press to "On" position to bring lights on. This is a manual operation.

FOR INTEGRAL TIME CLOCK (-T)

Press rocker switch to On position. To set Time of Day rotate clock dial clockwise to desired time on clock face. To bring lights on Automatically, simply press outward each 15 min. while tripper for desired "lights on" time. Example: from 5:00 pm - 11:00 pm, press all trippers outward within that time range. For Testing press out 2-3 trippers at the top of the white triangle at the 2:00 position on the clock face. This will activate power/lights on. Remember to return trippers back when testing is complete.

FOR PLUG-IN TIME CLOCK (-TR) OR X10 CONTROL (-X10) (Not Supplied)

For Timer, simply plug in Timer and follow the manufacturer's instructions, which may vary slightly from model number to model number. The On/Off activation point may be in a different location from our standard Grasslin Time Clock. For testing, same as -T or follow the time clock's instructions.

For X10 Control, simply follow the manufacturer's operating instructions.

FOR PHOTOCELL (-PC)

Press rocker switch to On position. Make sure photocell body is accessing daylight and is not shaded. Transformer will automatically operate from dusk to dawn. For Testing, cover photocell to activate lights. Allow a few minutes for activation.

FOR REMOTE PHOTOCELL (-RPC)

For WT series, same as -PC (attached photocell). Must be accessible to light. Allow 3-5 minutes for activation. Simply plug in special adapter to designated receptacle. Cord length can be adjusted to reach photocell location outside. For M2000 series, simply follow the installation instructions in the booklet provided.

FOR TIME CLOCK & PHOTOCELL (-T-PC) or TIME CLOCK & REMOTE PHOTOCELL (-T-RPC)

Same as above except photocell will automatically bring lights on at dusk. Time clock will override the photocell at a predetermined time you select for lights off. Lights off is set by pressing trippers outward from 3:00 pm to desired time off. Example: from 3:00 pm - 11:00 pm press outward all trippers within that time range. Your lights will automatically turn on at dusk and go off at 11:00 pm or desired off time. For Testing, same as -T above except you must cover the photocell to bring on lights. Allow a few minutes for activation.

FOR PLUG-IN TIMER & PHOTOCELL (-TR-PC)/REMOTE PHOTO CELL (-TR-RPC)

Same as above (-T-PC) or (-T-RPC). Follow the time clock's instruction. The On/Off activation point may be in a different location from our standard Grasslin Time Clock. Follow the manufacturer's instructions for the settings.

FOR DIMMER (-D)

There is a black dimmer dial at the bottom of transformer. Simply rotate dial to increase or decrease light output voltage to the fixtures.

FOR MULTIPLE VOLTAGE(-MV) - 12.5, 13.5, 14.5 volts

Tap appropriate voltage at terminal block based on distance, load, and cable size. (Must use a voltmeter to determine proper supply voltage to fixture.) Replace light bulbs quickly upon burn out. Voltage above 12 will reduce lamp life.

FOR RELAY (-R)

Split and strip 18/2 black zip cord ends. Open panel from irrigation controller and place 1 lead into the common terminal and the other end into an available station. Secure properly. Follow the programming instructions of the irrigation controller being used. The Relay option cannot be used with transformers with integral or plug-in time clocks.

SPECIAL NOTE

Halogen lights should not be dimmed for extended periods of time. This could result in shortened lamp life. 12 volt Fluorescent lights will not ignite or light below 10 volts. Do NOT use a dimmer with fluorescent fixtures. Do NOT use an electronic transformer (only magnetic) to supply voltage/current to 12v fluorescent fixtures.

NOTE: Photocell units must have full access to daylight. Any obstruction could affect operation of unit.

WARNING: Risk of fire if installation involves running wiring through a building structure, special wiring methods are needed. Consult a qualified electrician.

CIRCUIT BREAKER

To reset: Press button inward. If it fails to reset, check for overload and/or short circuit. Overload: Reduce wattage of lamp/fixture or remove fixtures to meet proper wattage limits. Short Circuit: Check all connections/possible wires touching. Correct before resetting again.