

**The Synchronizer – Control Module  
SAFETY AND INSTALLATION INSTRUCTIONS**

**Please read carefully before installing – Keep these instructions  
For use with Landscape lighting systems only**

This device is intended for installation in accordance with the National Electric Code (NEC) and Local code specifications. Failure to adhere to these codes and instructions may result in serious injury and/or property damage and will void the warranty.  
According to the requirements of the National Electric Code (NEC), direct burial rated wire is to be buried a minimum of 6" [152mm] beneath the surface of the ground.

**NOTE:** If additional Direct Burial wire is needed, contact your local Kichler® landscape distributor.

- 8 GA wire can be purchased in length of 250' (76 M), 15503-BK.
- 10 GA wire can be purchased in length of 250' (76 M), 15504-BK.
- 12 GA wire can be purchased in lengths of 100' (30 M), 15501-BK; 250' (76 M), 15502-BK; 500' (152M), 15505-BK; and 1000' (304 M), 15506-BK.

The Synchronizer is a control module created to omit on/off timing disparities, which are routine in a multiple transformer system. The Synchronizer allows all connected transformers to be controlled simultaneously according to the desired program and eliminates the need for costly timers, remote controls or other electronic synchronizing devices.

**Configuring several transformers in a series:**

- 1) Turn off power.
- 2) Install a switching device, such as a timer, photocell or X-10 device in transformer #1. The switching device will control all of the transformers in the system that are connected using a Synchronizer.
- 3) Plug in one Synchronizer into each additional transformer (#2, #3, #4, etc.) intended to be controlled.
- 4) A low-voltage wire, no smaller than #24-2 gauge, should be run from any volt source from transformer #1 to the Synchronizer in transformer #2. A wire should be run from transformer #2 to transformer #3, a wire should be run from transformer #3 to transformer #4, etc. until all transformers are connected.
- 5) One lead should be connected to the common tap and a second lead should be connected to the 12, 13, 14, or 15V tap of transformer #1. Any available voltage tap and any available common tap, regardless of lamp load, may be used for the Synchronizer. Connect the wire from the Synchronizer in transformer #2 to the Synchronizer in transformer #3.

**Configuring a transformer distant from the other transformers:**

- 1) A wire no smaller than #24-2 gauge should be run from any low voltage power source (Junction, fixture or transformer) located after the switching device on transformer #1 to the Synchronizer on the distant transformer. (See Fig. 2 for junction wiring suggestions.)
- 2) To synchronize all transformers, repeat this process.

FIG. 1

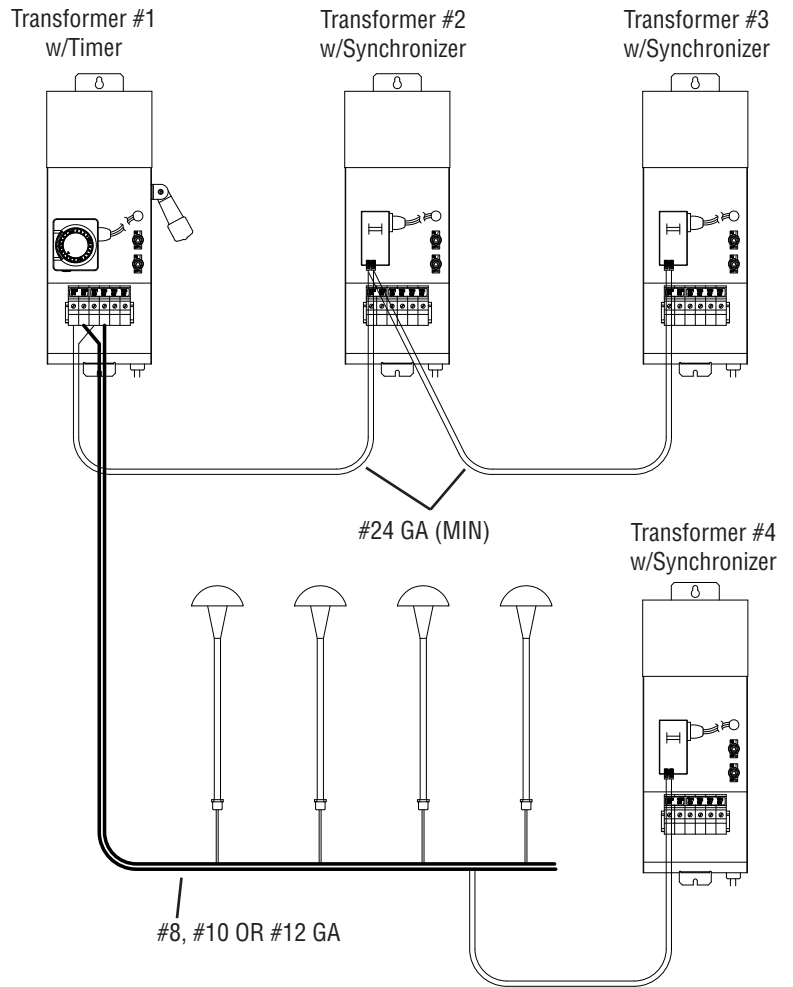
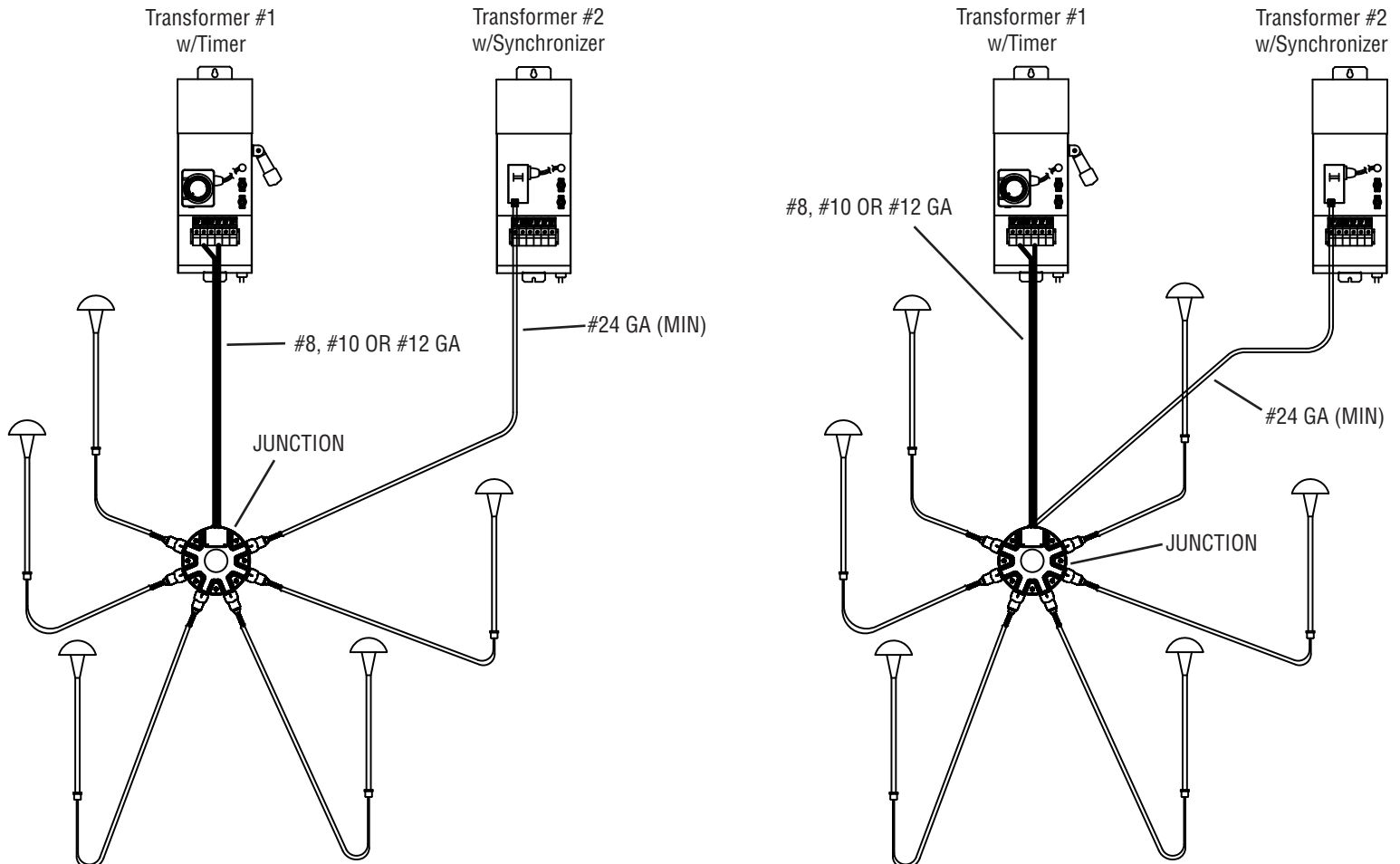


FIG. 2



**WARRANTY**

WE WARRANT THE LANDSCAPE PRODUCTS FEATURED IN OUR LANDSCAPE LIGHTING CATALOG (WITH THE EXCEPTION OF LIGHT BULBS) FOR FIVE YEARS AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP IF IT WAS PROPERLY INSTALLED AND FAILED UNDER NORMAL OPERATING CONDITIONS, PROVIDED IT IS RETURNED TO THE POINT OF PURCHASE, WHERE IT WILL BE REPAIRED OR, AS IT MAY BE DETERMINED, TO REPLACE THE LANDSCAPE PRODUCT OR PARTS USED ON THAT PRODUCT.