

This instruction sheet covers the installation of the following

Kichler® Smart Connect Transformer:

**15SCT300SS**

Read these instructions carefully before installing this unit and retain the instructions for future use.

## CAUTIONS

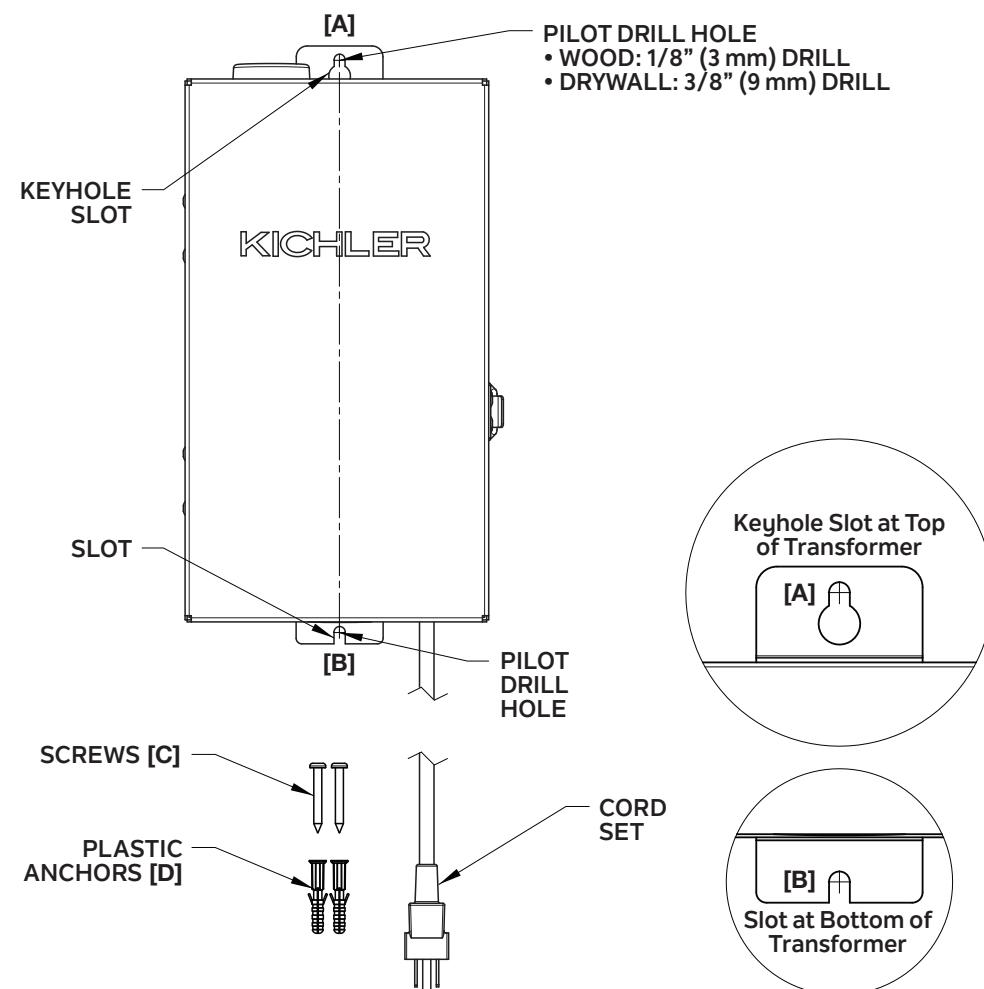
- CAUTION – RISK OF SHOCK:**  
Disconnect Power at the main circuit breaker panel or main fusebox before starting and during the installation.
- WARNING:**  
This power supply is intended for installation in accordance with the National Electrical Code (NEC) and all local code specifications. If you are not familiar with code requirements, installation by a certified electrician is recommended. Failure to adhere to these codes and instructions may result in serious injury and/or property damage and will void the warranty.
- This power unit is for use only with low voltage landscape luminaires and fittings. This device is accepted as a component of a landscape lighting system where the suitability of the combination shall be determined by the National Electric Code, by CSA, or by local inspection authorities having jurisdiction.
- Do not energize power supply until installation of system is complete.
- This power supply shall be connected to 120 volt, 60 Hz.
- WARNING: Risk of Electric Shock, use only with low voltage landscape fixtures and accessories. Do not use with swimming pool or spa lighting fixtures.**
- Do not submerge power supply.
- Do not connect two or more power supplies in parallel.
- Not for use with dimmers.
- Power supply should be mounted close to power source. Do not use extension cord.
- Suitable for indoor or outdoor use in the USA. Suitable for outdoor use only in Canada.
- For use in dwellings only with provided conduit adapter plate.
- WARNING: To reduce the risk of electric shock, install only on a circuit protected by a GFCI. The minimum mounting distance from a pool, spa, or fountain is:**
  - For indoor installation: 10 feet (3.0 m)
  - For outdoor installation: 5 feet (1.5 m)
- The power unit shall be mounted at least a (minimum) of 1 foot (30 cm) above the ground.
- National Electrical Code requires that wiring where concealed or extended through a building wall must be enclosed in conduit.
- WARNING – Risk of Fire.** If installation involves running wire through a building structure, special wiring methods are needed. Consult a qualified electrician.
- Risk of fire, do not place insulation under terminal plate. Check connection after installation.
- The cover must be closed while power supply is in use.
- Direct burial rated wire is to be buried a minimum of 6" (152 mm) beneath the surface of the ground.
- NOTE: If additional Direct Burial wire is needed, contact your local Kichler® landscape distributor. See table below for SPT 2 Conductor Black PVC Insulation Direct Burial wire accessories.**

Direct Burial 2 Conductor SPT Cable			
Wire Gage	Length (feet)	Length (m)	Model Number
10 AWG	250	76	15504BK
12 AWG	100	30	15501BK
12 AWG	250	76	15502BK
12 AWG	500	152	15505BK
12 AWG	1000	304	15506BK

- For more information on voltage drop and wire gage selection, consult the Kichler Landscape Lighting Catalog or contact your local Kichler distributor.
- Low-voltage transformers are devices that reduce a higher input voltage to a lower output voltage. The Kichler Low voltage transformer operates at 15 volts AC. To properly size the Landscape transformer requires creating a power requirement budget. Determine your installation plan and the fixtures that will be used. Reference the fixture wattage and consider the effects of power line gauge and run length to determine power budget requirements for the installation.
- Finding Power Supply Load. To determine the power supply rating you will need, add up the wattages of all lamps you plan to use. Select a power supply that matches as closely as possible to the total lamp wattage. For example, if you have 14 fixtures all rated at 17VA, you will need a 300-watt (VA) power supply ( $14 \times 17 = 238$  VA). The total lamp load should not exceed its maximum wattage capacity. If your total wattage is too high, either divide the load between two power supplies, or use a power supply with a higher rating.
- The power supply has three independently controlled zones. The channels include three Commons and three 15V taps. The zones are separated by divider [F]. The power supply has the ability to deliver full output load on one channel or distributed across all channels.
- CLEANING:**
  - Always be certain that electric current is turned off before cleaning.
  - Only a soft damp cloth should be used. Harsh cleaning products may damage the finish.

## INSTALLATION INSTRUCTIONS

- Determine desired location for mounting transformer.
- NOTE:** When deciding location for mounting, consideration should be taken for the requirements listed in the "CAUTIONS" section of this instruction guide. If mounting to a drywall surface, mounting into a stud is recommended.
- Hold template in place against mounting surface, and mark screw positions in top portion of keyhole slot [A] at top, and in slot [B] located at bottom.



### 3. If mounting to wood:

- Drill 1/8" (3 mm) diameter pilot holes at positions marked in Step 2.
- Drive screws [C] approximately halfway into holes.

### If mounting to 5/8" drywall (not into stud):

- Drill 3/8"(9 mm) diameter holes at positions marked in Step 2.
- Push plastic anchors [D] into holes and carefully tap in until flush with mounting surface.
- Drive screws [C] approximately halfway into plastic anchors.

- Slip large portion of keyhole [A] over head of top screw [C] and allow transformer to slide down, making sure bottom slot [B] is behind head of bottom screw [C].
- While holding transformer in place, tighten screws until transformer is secure.

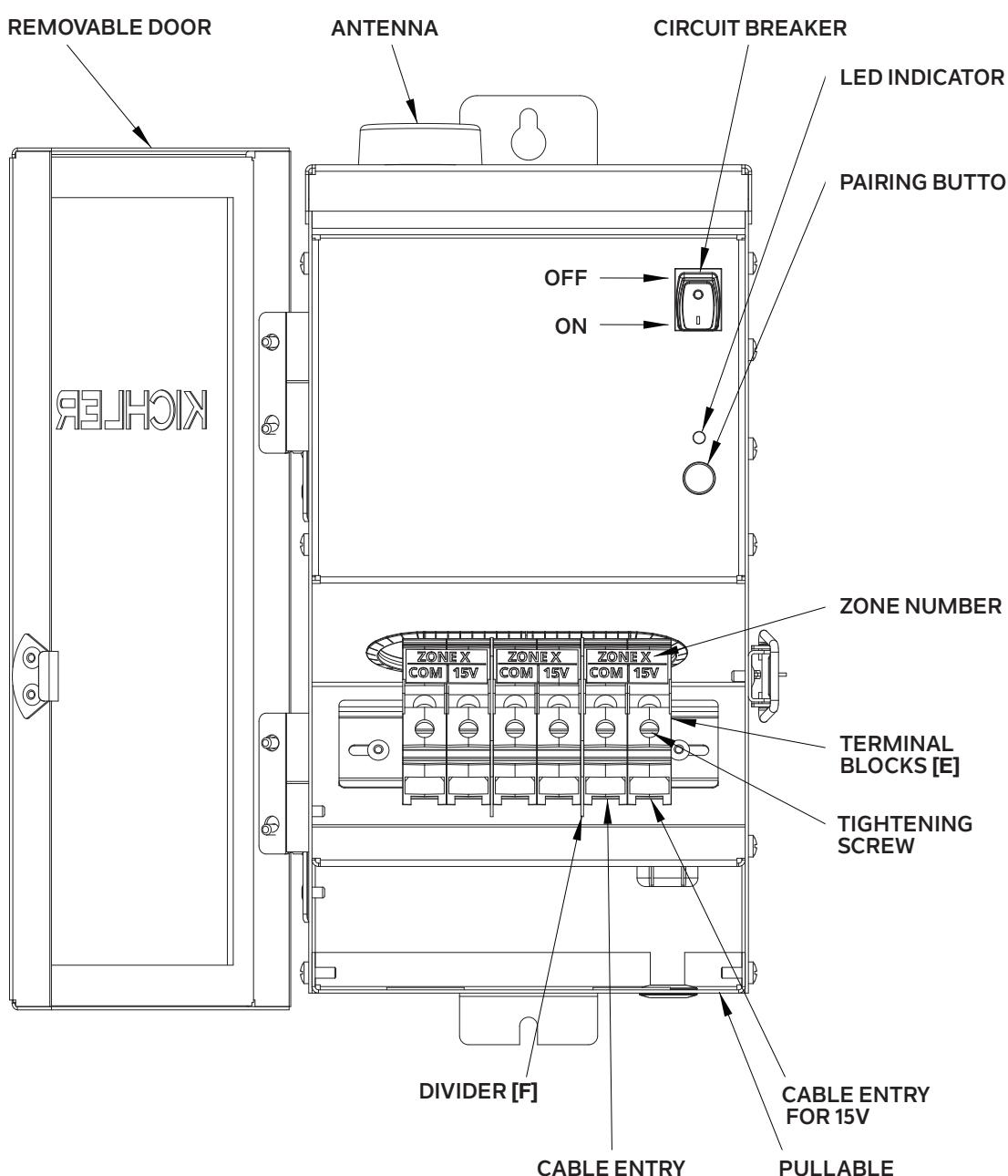
## INSTALLATION INSTRUCTIONS CONTINUE ON PAGE 2

**PLEASE READ ALL WARNING AND CAUTION STATEMENTS  
AND COMPLETE ALL INSTALLATION INSTRUCTIONS  
ON PAGE 1 BEFORE FOLLOWING  
INSTALLATION INSTRUCTIONS ON PAGE 2**

**INSTALLATION INSTRUCTIONS (CONTINUED)**

- Split Kichler SPT Direct Burial Wire 12/2 or 10/2 cable approximately 3" (76 mm), and strip 1/2" (12 mm) insulation off each wire. 12/2 and 10/2 cable is the heavy black cable with which all Kichler® 12-volt low voltage lighting fixtures will be connected. (Reference "Direct Burial 2 Conductor SPT Cable" chart on Page 1 for description and part numbers).
- Choose a zone number. On the bottom of the terminal block **[E]** push conductor of one or more wire runs (up to the Max. number of conductors, refer to chart below) to be controlled by this zone number into the hole marked "COM" and tighten the corresponding screw on terminal block face until wire is secure. Torque terminal blocks screws to 32 - 35 lb-in (3.6 - 4.0 N-m). See chart for maximum wire sizes based on gauge:

Wire Gage Size	Max. number of conductors
#12	6
#10	3



- For more information on voltage drop, consult the Kichler Landscape Lighting Catalog, or contact your local Kichler distributor.
  - Push remaining bare wire into the hole marked 15V on bottom of terminal block and tighten the corresponding screw on terminal block face until wire is secure. Again, refer to the torque specifications in Step 7. Ensure that the insulation is not under the terminal plate. Check all connections after installation. See "Risk of Fire" warnings in "CAUTIONS" section of this instruction guide.
- Plug power supply cord into standard 120 volt receptacle.

**NOTE:** The power supply cord must be plugged into a weather tight receptacle equipped with a Ground Fault Interrupter (GFCI).

If the unit cycles on and off without regard to the timer setting or other controls, it should be checked by a qualified service person.

• **Circuit breaker** on the Secondary / 15V side will trip if there is a short or if total wattage installed exceeds rated wattage per circuit. To reset breaker, flip switch to "OFF" then back to "ON" position.

• **Thermal protector** on the Primary / 120V side will shut off unit if overheated.

**QUICK START APP SETUP INSTRUCTIONS**

**NOTE:** Wi-Fi must be used for initial app setup and registration.

**Helpful Hint:** For initial software setup, plug transformer into an outlet near the Wi-Fi router, then move to its permanent location once initial setup has been completed.

- Download the Kichler Connects™ App on the Apple® App Store® or on Google Play™.



- Open the Kichler Connects™ app. Register your account if you are a first-time user. Make sure your device's Wi-Fi and Bluetooth are turned on, and that you are in range of the Wi-Fi router.
- On the front of the transformer, press and hold the pairing button down for 5 seconds until the LED indicator light on the transformer starts to blink red.
- In the app, select "Add Device" or select the (+) button on the top right, and then select "Add Manually" and the Smart Transformer icon or select "Auto Scan" for device. Follow app prompts to add device.
- "Enter Wi-Fi password" by selecting your 2.4GHz channel. Then enter your password and press "Next".
- Once connected, you can rename the device by clicking the pencil icon, if desired. Then push "Done".
- Your device is now ready to use. Tap the "Power On/Off" button to control your landscape lighting, or select a preset schedule. While on the Smart Transformer device screen, select "Timer" on the bottom right. Next simply select your preferred preset schedule.

To learn more visit [Kichler.com/kichler-connects](http://Kichler.com/kichler-connects)

**MANUAL MODE**

If both Wi-Fi and Bluetooth connectivity is lost, you can still turn your lights on and off without an app:

- To manually turn on all lights connected to the transformer, press the pairing button on the transformer 3 times (quickly).
- To manually turn off all lights connected to the transformer, flip the circuit breaker switch on the transformer to "OFF".
- To manually turn all lights back on again, flip the circuit breaker switch to "ON", then press the pairing button 3 times (quickly).

**NOTE:** Once Wi-Fi or Bluetooth connectivity is restored, make sure that the circuit breaker switch on the transformer is set to "ON", then open the Kichler Connects™ app.

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Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.,  
The Google Home logo, Google Play, and the Google Play logo, are trademarks of Google LLC, and  
Wi-Fi® is a registered trademark of the Wi-Fi Alliance.

**FCC INFORMATION**

FCC Warning:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:  
1. This device may not cause harmful interference, and  
2. This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

**ISEDC INFORMATION**

ISEDC Warning:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:  
1. This device may not cause interference, and  
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Innovation, la science et le développement économique Canada licenciés aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:  
1. L'appareil ne doit pas produire de brouillage, et  
2. L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, si le brouillage est susceptible d'en compromettre le fonctionnement.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Tous les changements ou modifications non expressément approuvés par le responsable de la conformité pourraient entraîner la révocation de l'autorisation à exploiter l'équipement.

ISEDC Radiation Exposure Statement:

This equipment complies with ISEDC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet appareil est conforme aux limites d'exposition de rayonnement RF ISEDC établies pour un environnement non contrôlé. Cet émetteur ne doit pas être co-implanté ou fonctionner en conjonction avec toute autre antenne ou transmetteur.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. La distance entre le radiateur et le corps doit être d'au moins 20 cm lors de l'installation et du fonctionnement de cet appareil.