

Low Voltage

# Transformers

## Power to perform: Why Kichler Transforms?

Kichler transformers are among the industry's very best in features, quality and conformity to UL 1838 low voltage landscape lighting standards and recommended practices according to the National Electric Code. This selection guide can help you choose the perfect custom solution for the job. Every product detail is engineered with one thing in mind; to provide real solutions for real pros.



**SAFE**

- Runs feature one common transformer per circuit. UL requirements limit each circuit to 300-W and 15V.
- Secondary circuit breakers offer short-circuit protection as a standard feature.
- Magnetic circuit breakers provide a faster response to a fault in the system.
- An in-line primary thermostat protects against thermal over-load. These built-in thermostats are auto-resetting, eliminating the need for replacement or maintenance.
- Because compliance is important long after the installation is complete – Kichler follows all applicable UL safety standards, including UL 1838 and all transformers carry a UL Listing mark suitable for the U.S. and Canadian marketplace.
- Internal wiring is rated for 150°C (302°F), which exceeds safety standard requirements and provides longer life.

**POWERFUL**

- Various wattage options are available including: 60, 75, 100, 200, 300, 600, 900, and 1200 in many timer and plug-in options.
- Available in premium or economy options – convenient for larger, more complicated jobs or where smaller profile, lower-wattage units can be used.

**DURABLE**

- Full enclosure of the housing protects components from weather, sprinkling systems and debris.
- Professional Series housings are made of stainless steel grade 304 designed to run cooler and resist corrosion, and last longer in outdoor environments.
- Multi-tap transformers allow greater flexibility in managing multiple wire runs by moving cables up and down the multi-range. This assures that the correct voltage is applied to a lamp – creating a consistent light output and maximizing lamp life.

**DEPENDABLE**

- Every tap is tested on the assembly line to ensure that output is consistently accurate.
- Installation is simplified, thanks to 30°-tilted taps mounted on the 125-Amp terminal board. This gives you more space and greater visibility while inserting cables into taps.
- Units can be loaded up to the full maximum watts, including cable length, fixtures and cable loss. For ease in calculating runs, Kichler provides a Voltage Drop Tool that features pull-down menus and professional printouts for recordkeeping.

**WARRANTY**

- Limited lifetime warranty offered on Stainless Steel (SS) transformer models.
- A limited 10-Year Warranty on powder-coated Textured Architectural Bronze (AZT) transformer models.

**CORE AND COIL CONSTRUCTION**

All core and coil-types used in Kichler transformers, except economy series, feature epoxy encapsulation. This provides commercial-grade benefits such as:

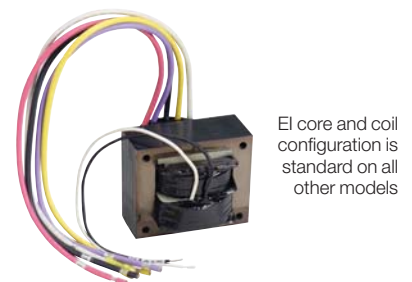
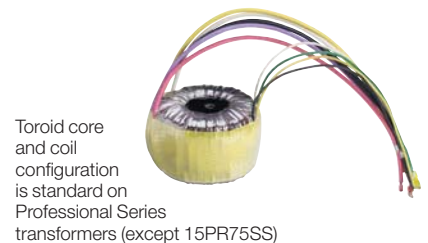
- **PROTECTION:** Core, copper windings, wire leads and inner parts are set inside epoxy to prevent exposure to moisture to resist corrosion and maintain a permanent seal.
- **QUIET:** Humming noises are eliminated, as well as vibration, keeping connections from loosening.
- **COOL:** Epoxy also keeps unit running cooler. Running cooler at full load is safer and conserves energy.

**OTHER IMPORTANT INSTALLATION CONSIDERATIONS:**

- Submersible rated transformers are designed and rated to provide power for fixtures placed in a pond, fountain or other landscape water feature. Fixtures used in water features must also be rated for submersible use. Transformers rated for use with submersible fixtures feature 3' of #12-3 SJTW cord. They are NOT rated for use with fixtures in pools, spas or bodies of water intended for immersion of humans. The submersible rating feature varies by model.
- National Electric Code and Underwriters Laboratories (UL) require that wiring, where concealed or extended through a building wall, must be enclosed in conduit.

**TIP ON PRIMARY POWER:**

Since 120-Volts can vary depending on time of day and local utility fluctuations, always measure the voltage on the primary side before and during job installation. Transformers reduce primary input in a ratio of 10:1 – Ex: 120 Volts:12 Volts.





## PROFESSIONAL SERIES

Kichler's Professional Series provides the best options and flexibility needed for most installations. Output voltage range will suit most jobs. Features include a commercial grade toroid core and coil submersible rating, pluggable timer and photocell outlets, plus a lifetime warranty.

**Not Shown:** 15PR100 SS, 15PR200 SS, 15PR300 SS, 15PR600SS, 15PR1200 SS.

For details see chart on page 140-141.

### FEATURES

- Output voltage taps 12/13/14/15 Volts
- Installation is made easy with 30° tilted taps mounted on a 125-Amp terminal board because there is more space and greater visibility while inserting cables into taps
- Easy-access flip top door with magnetic fastener requires no tools to open and is lockable
- Tilted terminal board and large capacity lugs inside the taps hold up to 8, #10-gauge wires or up to 10, #12-gauge wires per tap
- Submersible rating to be used in accordance with submersible standards where fixtures are in water. The 3', #12-3 SJTW cord establishes the safe, distance to minimize shock hazards when submersible fixtures are being used
- In-line secondary magnetic breaker protects against short circuit

- Fully enclosed housing constructed of #304 grade stainless steel
- Drop down bottom panel with four pre-punched field knockouts sized for 1/2" or 3/4" conduit (trade sizes) and one large center 1 3/4" inlet
- All Professional Series units (except the 15PR75 SS) feature toroid core and coil and dedicated wire loop for quick access testing of primary load. This provides the best reliability and maintains improved regulation from no load to full load. Toroid core saves energy and offers approximately 10% greater efficiency than EI-type core and coil transformers. Toroid core and coils run cooler because heat dissipates, run quieter since there's no hum, and run smoother due to less vibration
- 900-W and 1200-W Professional Series units feature relay (contactor), which reduces amp draw through the timer, photocell, and receptacle – extending the life of these components
- Mounting brackets are welded and riveted in place for extra strength. Mounting plate for indoor use is included. Transformers used indoors require cable to be routed through conduit. Check local government ordinances and codes to ensure proper standards are met
- X10® compatible
- Limited lifetime warranty

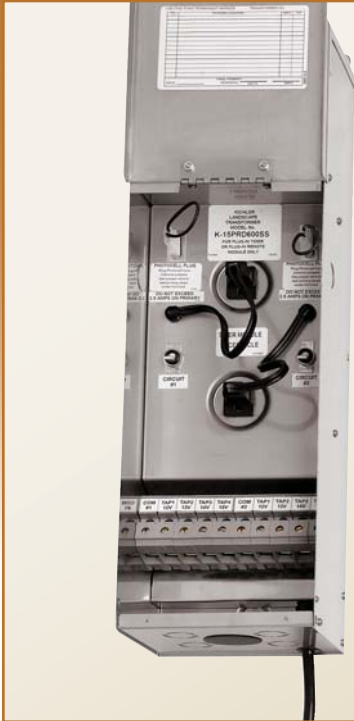


## PROFESSIONAL SERIES

Specialty 75-W transformer has built-in ground connection for submersible fixture that require grounding. Timer and photocell included.

### FEATURES

- Submersible rating to be used in accordance with submersible standards where fixtures are in water. The 3', #12-3 SJTW cord establishes the safe, distance to minimize shock hazards when submersible fixtures are being used
- In-line secondary magnetic breaker protects against short circuit
- Fully enclosed housing constructed of #304 grade stainless steel
- Mounting brackets are welded and riveted in place for extra strength. Mounting plate for indoor use is included. Transformers used indoors require cable to be routed through conduit. Check local government ordinances and codes to ensure proper standards are met.
- Limited lifetime warranty



## PROFESSIONAL SERIES 2-IN-1

The Professional Series 2-In-1 Transformer provides one distinct model designed for unique applications where two separate 300-W circuits (zones) and control options are located within the same housing.

For details see chart on page 140-141

### FEATURES

- 2 separate sets of multi-tap output – 12V, 13V, 14V, 15V on each circuit
- 600-W total power and (2) independently controlled 300-W transformers for 2 separate scenes
- (2) independent receptacles for pluggable photocells for multiple on/off options
- (2) independent receptacles for pluggable timers
- Limited lifetime warranty



## PLUS SERIES

Kichler's Plus Series Transformers feature a 6' cord, pluggable options with a powder coated steel case.

**IMPORTANT:** This unit is not approved for use with fixtures placed in ponds or landscape water features.

Not Shown: 15PL100 AZT, 15PL300 AZT, 15PL300 BE, 15PL600 AZT, 15PL600 BE, 15PL900 AZT, 15PL900 BE

For details see chart on page 140-141

### FEATURES

- Output voltage taps are 12V, 13V, 14V, 15V, 80 Amp. Max. per board
- Powder-coated housing is painted steel with AZT or BE finish
- Auto-resettable in-line primary overload protection
- An in-line secondary magnetic breaker protects against short circuiting
- Epoxy encapsulated for greater protection and performance
- X10® compatible
- Mounting template included
- 10-year limited warranty



## TIMER/PHOTOCELL SERIES

Kichler's Timer/Photocell Series Transformers are an economical choice. The built-in timer can be removed but is not pluggable. The photocell plugs in and out for easy replacement.

**IMPORTANT:** This unit is not approved for use with fixtures placed in ponds or landscape water features.

Not Shown: 15TP200 AZT, 15TP600 AZT

For details see chart on page 140-141

### FEATURES

- Output voltage taps are 12V, 13V, 15V, except 15TP200 AZT which is a single tap
- Powder-coated housing is painted steel with AZT finish
- Epoxy encapsulated for greater protection and performance
- An in-line secondary magnetic breaker protects against short circuiting
- Auto-resettable in-line primary overload protection
- X10® compatible
- Mounting template included
- 10-year limited warranty



## TIMER SERIES

Kichler's Timer Series Transformers are an economical choice when conditions require timer settings only and light will not be available for photocell on/off settings.

**IMPORTANT:** This unit is not approved for use with fixtures placed in ponds or landscape water features.

Not Shown: 15T200 AZT, 15T600 AZT, 15T900 AZT

For details see chart on page 140-141

### FEATURES

- Output voltage taps are 12V, 13V, 15V, except 15T200 AZT which is a single tap
- Epoxy encapsulated for greater protection and performance
- An in-line secondary magnetic breaker protects against short circuiting
- Auto-resettable in-line primary overload protection
- 10-year limited warranty



## MANUAL SERIES

Kichler's Manual Series Transformers are the ideal solution when on/off switching is desired at the transformer and nowhere else. Timers and photocells are not offered as options for this unit.

**IMPORTANT:** This unit is not approved for use with fixtures placed in ponds or landscape water features.

Not Shown: 15M100 AZT, 15M200 AZT, 15M600 AZT

For details see chart on page 140-141

### FEATURES

- Output voltage taps are 12V, 13V, 15V only on 15M300 AZT and 15M600 AZT. 15M100 AZT and 15M200 AZT are single tap
- Epoxy encapsulated for greater protection and performance
- An in-line secondary magnetic breaker protects against short circuiting
- Auto-resettable in-line primary overload protection
- 10-year limited warranty



## IN-GROUND SERIES

Choose Kichler's In-Ground Series Transformers when direct burial is desired. Units are hardwired with flying leads so terminal lug taps are not provided.

**IMPORTANT:** This unit is not approved for use with fixtures placed in ponds or landscape water features.

Not Shown: 15IG600 SS

For details see chart on page 140-141

### FEATURES

- Output voltage taps are 12V, 13V, 14V, 15V
- Epoxy encapsulated for greater protection and performance
- Auto-resettable in-line primary overload protection
- 10-year limited warranty



## ECONOMY SERIES

Kichler's Economy Series Transformers for small jobs or single specialty piece applications. Built in photocell, timer and HI-LOW switch.

**IMPORTANT:** Model 15E120 is not approved for use with fixtures placed in ponds or landscape water features.

Not Shown: 15E120 BK

For details see chart on page 140-141

### FEATURES

- High and Low output settings
- Integral timer and photocell
- Rated for use with submersible fixtures (15E60 BK only).
- Durable black polymeric enclosure resists corrosion
- An in-line push button thermal breaker on the secondary protects against short circuiting.
- Auto-resettable in-line primary over load protection
- 10-year limited warranty

### LED Backlight Outdoor Enclosed Transformer Timer



**15557 BK**

See Page 150

### Digital Astronomical Timer



**15559 WH**

See Page 149

### Digital Transformer Timer



**DIGITAL**

Battery not included

**15558 WH**

See Page 150

### Plug-In Transformer Timer



**MANUAL**

**15552 WH**

See Page 149

### Plug-In Transformer Remote Photocell



Photocells should be faced out (not up) for optimum life.

**15534 BK**

See Page 150

### Plug-In Transformer Photocell



Photocells should be faced out (not up) for optimum life

**15565 BK**

See Page 150

### Synchronizer Device



**15511 BK**

See Page 150

## TRANSFORMER ACCESSORIES

Along with a wide variety of transformers, Kichler offers a full complement of control accessories. Used separately or in tandem, light may be controlled as desired.

Photocells allow the intensity of daylight to define transformer operation. Timers can be used for more exacting requirements. Regardless of which is chosen, each will assist the transformer in providing the desired result.

	PROFESSIONAL SERIES Stainless Steel (SS)	PREMIUM							PLUS SERIES Textured Architectural Bronze (AZT) & Beach (BE)	ECONOMY PLUS				
		15PR75 SS	15PR100 SS	15PR200 SS	15PR300 SS	15PRD600 SS <sup>2-in-1</sup>	15PR600 SS	15PR900 SS		15PL100 AZT	15PL200 AZT/BE	15PL300 AZT/BE	15PL600 AZT/BE	15PL900 AZT/BE
		7 3/4" x 3 3/4" x 4 1/4"	19" x 5 1/2" x 5 3/4"	19" x 5 1/2" x 5 3/4"	19" x 5 1/2" x 5 3/4"	21 1/4" x 6 3/4" x 5 3/4"	19" x 6 3/4" x 5 3/4"	21" x 6 3/4" x 6"		19" x 5 1/2" x 5 3/4"	19" x 5 1/2" x 5 3/4"	19" x 5 1/2" x 5 3/4"	19" x 6 3/4" x 5 3/4"	21" x 6 3/4" x 6"
Wattage (VA)		75	100	200	300	600	600	900	1200	100	200	300	600	900
Automatic Timer		●	●	●	●	●	●	●	●	●	●	●	●	●
Photo Electric Eye		●	●	●	●	●	●	●	●	●	●	●	●	●
Compatible w/Plug-In Timers or X-10 Remote Systems			●	●	●	●	●	●	●	●	●	●	●	●
Hi-Low-Off Switch		●												
On-Off-Auto Switch														
Multi-Tap Connection 12V, 13V, 15V														
Multi-Tap Connection 12V, 13V, 14V, 15V			●	●	●	●	●	●	●	●	●	●	●	●
Thermal Cut-Off on Primary Side		●	●	●	●	●	●	●	●	●	●	●	●	●
Thermal Reset Breaker on Secondary Side														
Magnetic Breaker on Secondary Side		●	●	●	●	●	●	●	●	●	●	●	●	●
Easy Connect Terminal Blocks		●	●	●	●	●	●	●	●	●	●	●	●	●
6', 3-Wire #16-3 SJTW Cord														
6', 3-Wire #18-3 SJTW Cord										●	●	●		
3', 3-Wire #12-3 SJTW Cord		●	●	●	●	●	●	●	●					
6', 2-Wire #18-2 SJTW Cord														
Includes Mounting Plate for Indoor Use		●	●	●	●	●	●	●	●	●	●	●	●	●
Suitable for use w/Submersible Fixtures*		●	●	●	●	●	●	●	●					
Ground Terminal		●												
Direct Burial														
Textured Architectural Bronze Powder Coat										●	●	●	●	●
Stainless Steel		●	●	●	●	●	●	●	●					
Composite Housing														
10-Year Limited Warranty										●	●	●	●	●
Lifetime Warranty		●	●	●	●	●	●	●	●					
Toroid Core and Coil Configuration			●	●	●	●	●	●	●					●
EI Core and Coil Configuration		●								●	●	●	●	

										ECONOMY										SPECIALTY	
<b>TIMER/PHOTOCELL</b> Textured Architectural Bronze (AZT)										<b>ECONOMY</b> Black (BK)										<b>IN GROUND</b> Stainless Steel (SS)	
15TP200 AZT 13 <sup>1</sup> / <sub>4</sub> " x 3 <sup>1</sup> / <sub>2</sub> " x 4" 200										15M100 AZT 8" x 3 <sup>1</sup> / <sub>4</sub> " x 3" 100										15IG300 SS 10 <sup>3</sup> / <sub>4</sub> " x 4 <sup>1</sup> / <sub>2</sub> " x 4 <sup>3</sup> / <sub>4</sub> " 300	
15TP300 AZT 13 <sup>1</sup> / <sub>4</sub> " x 4 <sup>1</sup> / <sub>2</sub> " x 4" 300										15M200 AZT 13 <sup>1</sup> / <sub>4</sub> " x 3 <sup>1</sup> / <sub>2</sub> " x 4" 200										15IG600 SS 10 <sup>3</sup> / <sub>4</sub> " x 4 <sup>1</sup> / <sub>2</sub> " x 4 <sup>3</sup> / <sub>4</sub> " 600	
15TP600 AZT 14 <sup>1</sup> / <sub>4</sub> " x 5 <sup>1</sup> / <sub>2</sub> " x 5" 600										15M300 AZT 13 <sup>1</sup> / <sub>2</sub> " x 4 <sup>1</sup> / <sub>2</sub> " x 4" 300											
<b>TIMER UNITS</b> Textured Architectural Bronze (AZT)										<b>ECONOMY</b> 15M600 AZT 14 <sup>1</sup> / <sub>4</sub> " x 5 <sup>1</sup> / <sub>2</sub> " x 5" 600											
15T200 AZT 13 <sup>1</sup> / <sub>4</sub> " x 3 <sup>1</sup> / <sub>2</sub> " x 4" 200										<b>MANUAL UNITS</b> Textured Architectural Bronze (AZT)											
15T300 AZT 13 <sup>1</sup> / <sub>2</sub> " x 4 <sup>1</sup> / <sub>2</sub> " x 4" 300										15M100 AZT 8" x 3 <sup>1</sup> / <sub>4</sub> " x 3" 100											
15T600 AZT 14 <sup>1</sup> / <sub>4</sub> " x 5 <sup>1</sup> / <sub>2</sub> " x 5" 600										15M200 AZT 13 <sup>1</sup> / <sub>4</sub> " x 3 <sup>1</sup> / <sub>2</sub> " x 4" 200											
15T900 AZT 19" x 6 <sup>1</sup> / <sub>2</sub> " x 6" 900										15M300 AZT 13 <sup>1</sup> / <sub>2</sub> " x 4 <sup>1</sup> / <sub>2</sub> " x 4" 300											
										<b>ECONOMY</b> 15E60 BK 6 <sup>3</sup> / <sub>4</sub> " x 3 <sup>3</sup> / <sub>4</sub> " x 3 <sup>3</sup> / <sub>4</sub> " 60											
										15E120 BK 6 <sup>7</sup> / <sub>8</sub> " x 3" x 3" 120											
										<b>IN GROUND</b> Stainless Steel (SS)											
										15IG300 SS 10 <sup>3</sup> / <sub>4</sub> " x 4 <sup>1</sup> / <sub>2</sub> " x 4 <sup>3</sup> / <sub>4</sub> " 300											
										15IG600 SS 10 <sup>3</sup> / <sub>4</sub> " x 4 <sup>1</sup> / <sub>2</sub> " x 4 <sup>3</sup> / <sub>4</sub> " 600											

= IN GROUND  
 = OPENING

PH = PHOTOCELL  
 AZ = ARCHITECTURAL ZINC  
 BK = BLACK  
 SS = STAINLESS STEEL  
 TP = TRANSFORMER PROTECTED

\* = NOT AVAILABLE IN ALL AREAS

600-W, 900-W, 1200-W, 1500-W, 1800-W, 2500-W, 3000-W, 4000-W, 5000-W, 6000-W, 7500-W, 10000-W, 15000-W, 20000-W, 25000-W, 30000-W, 35000-W, 40000-W, 45000-W, 50000-W, 55000-W, 60000-W, 65000-W, 70000-W, 75000-W, 80000-W, 85000-W, 90000-W, 95000-W, 100000-W, 105000-W, 110000-W, 115000-W, 120000-W, 125000-W, 130000-W, 135000-W, 140000-W, 145000-W, 150000-W, 155000-W, 160000-W, 165000-W, 170000-W, 175000-W, 180000-W, 185000-W, 190000-W, 195000-W, 200000-W, 205000-W, 210000-W, 215000-W, 220000-W, 225000-W, 230000-W, 235000-W, 240000-W, 245000-W, 250000-W, 255000-W, 260000-W, 265000-W, 270000-W, 275000-W, 280000-W, 285000-W, 290000-W, 295000-W, 300000-W, 305000-W, 310000-W, 315000-W, 320000-W, 325000-W, 330000-W, 335000-W, 340000-W, 345000-W, 350000-W, 355000-W, 360000-W, 365000-W, 370000-W, 375000-W, 380000-W, 385000-W, 390000-W, 395000-W, 400000-W, 405000-W, 410000-W, 415000-W, 420000-W, 425000-W, 430000-W, 435000-W, 440000-W, 445000-W, 450000-W, 455000-W, 460000-W, 465000-W, 470000-W, 475000-W, 480000-W, 485000-W, 490000-W, 495000-W, 500000-W, 505000-W, 510000-W, 515000-W, 520000-W, 525000-W, 530000-W, 535000-W, 540000-W, 545000-W, 550000-W, 555000-W, 560000-W, 565000-W, 570000-W, 575000-W, 580000-W, 585000-W, 590000-W, 595000-W, 600000-W, 605000-W, 610000-W, 615000-W, 620000-W, 625000-W, 630000-W, 635000-W, 640000-W, 645000-W, 650000-W, 655000-W, 660000-W, 665000-W, 670000-W, 675000-W, 680000-W, 685000-W, 690000-W, 695000-W, 700000-W, 705000-W, 710000-W, 715000-W, 720000-W, 725000-W, 730000-W, 735000-W, 740000-W, 745000-W, 750000-W, 755000-W, 760000-W, 765000-W, 770000-W, 775000-W, 780000-W, 785000-W, 790000-W, 795000-W, 800000-W, 805000-W, 810000-W, 815000-W, 820000-W, 825000-W, 830000-W, 835000-W, 840000-W, 845000-W, 850000-W, 855000-W, 860000-W, 865000-W, 870000-W, 875000-W, 880000-W, 885000-W, 890000-W, 895000-W, 900000-W, 905000-W, 910000-W, 915000-W, 920000-W, 925000-W, 930000-W, 935000-W, 940000-W, 945000-W, 950000-W, 955000-W, 960000-W, 965000-W, 970000-W, 975000-W, 980000-W, 985000-W, 990000-W, 995000-W, 1000000-W, 1005000-W, 1010000-W, 1015000-W, 1020000-W, 1025000-W, 1030000-W, 1035000-W, 1040000-W, 1045000-W, 1050000-W, 1055000-W, 1060000-W, 1065000-W, 10700

● = OPTIONAL

Plug-in Kichler  
Accessories - Reference  
Accessories Descriptions,  
page 113: Plug-In  
Transformer Timer  
15552 WH or 15557 BK  
Digital Timer 15558 WH  
15559 BK, Plug-In  
Transformer Remote  
Photocell 15534 BK,  
Plug-In Transformer  
Photocell 15565 BK

\* = Not for use with swimming pool or spa fixtures.

600-W, 900-W and 1200-W Transformer models are manufactured in intervals of 300-W (VA) circuits.

National Electric Code and Underwriters Laboratories require that wiring, where concealed or extended through a building wall, must be enclosed in conduit.

All transformers are for outdoor use only unless otherwise noted.

cULus All Transformers carry a UL 1838 Listing mark suitable for the U.S. and Canadian marketplace.

**IMPORTANT:** These units are not approved for use with fixtures placed within 10' of swimming pools or spas.