

PROJECT:
TYPE:
ORDERING #:
COMMENTS:

## DESIGN PRO LED CONTROLLER – FEATURES



Height = 13.73"  
Depth = 4.46"  
Width = 8.62"



**15DC100**



Height = 14.11" w/Adaptor  
Depth = 4.46"  
Width = 13.51"



**15DC200**



Height = 14.11" w/Adaptor  
Depth = 4.46"  
Width = 13.51"



**15DC300**

Wattage (VA)	100W/VA	200W/VA	300W/VA
Zones	2 independently controlled zones	4 independently controlled zones	6 independently controlled zones
Weight	5.5 lbs	8 lbs	11 lbs

## GENERAL SPECIFICATIONS

Description	All-in-one power supply and controller provides personalization, versatility, and efficiencies to a professional LED installation.	Potting	Fully encapsulated / potted electronics.
Housing & Finish	UV stable and weather-proof polymeric material with textured gray finish.	Warranty	Industry-leading warranty. For details see: <a href="http://landscapelighting.com/warranty">landscapelighting.com/warranty</a>
AC or DC & Output Voltage	Direct current (DC), 15V constant DC	Timer	Integrated astronomical clock programmable by geolocation.
Input Voltage	108-132AC 50-60 Hz	Stainless Grade	Corrosion resistant high grade stainless steel components.
Minimum Load & Fixture Loading	None. Use Watts (not VA) to load fixtures on controller.	Efficiency on Primary Power Side	Min 90% (power-in, power-out)
Grounded Cord Type/Length	66" of usable #18-3 SJTW Cord.	UL Listing & FCC	ANSI/UL 1838 CSA 250.7. FCC Part 15B
Battery Back-up	Saves date and time only. All other settings saved to nonvolatile memory.	Outdoor/Indoor Use	Wet Location Rated. Indoor acceptable by local code.
Terminal Lugs	Can fit #8-18 GA.	Transformer Type	Electronic DC (low ripple and acceptable for use LED Landscape fixtures).
Breaker Protection Type/Amps.	Electronically controlled 7 Amp.	System Information	Calculates live watts and amperage within zone summary.
Surge Protection	Primary surge protection protects against surges going down the line.	Overload Protection	Yes
Event Schedules	Up to 12 programmable schedules.	Menu Diagnostics	Yes, to aid in troubleshooting common problems.
Vandal Resistant	Yes, with integrated locking tab (lock not included).	Conduit Adaptor	1" trade size PVC slip fit conduit adaptor for a clean and professional installation. Can also accept 1.25" trade size PVC conduit.
Temperature Range	Operates at -40° F to 140° F (-40° C to 60° C)	Wireless Type & Range	Z-Wave® See <a href="http://www.z-wave.com">www.z-wave.com</a> for additional options. 250ft line of sight range.
Mounting Hardware	Included. Integrated easy-positionable keyhole mounts allow for a simple installation.	Network	Multiple controllers can be wirelessly synced together to create a network (maximum 4 controllers in one network). Multiple networks can be set-up in installations with more than 4 controllers.

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## DESIGN PRO LED CONTROLLER – ACCESSORIES

Length = 3.93"  
Width = 1.33"



**16080BK** Remote

Length = 1.83"  
Width = 1.83"



**16081WH** Range Extender

EZPull  
250' Boxes



**16088WH** – #14-2  
**16089BK** – #16-2 Wire

Description	Allows the user to independently control lighting zones based on pre-defined programs. This enables the homeowner to temporarily override schedules on individual zones by turning the lights on/off at any given time. Can also be used as a secondary programmer.	Allows for wireless range extension between wireless devices (ex. power supply-to-power supply) Plugs into any standard 120V outlet (dry location).	Now 14 and 16 guage direct burial wire can now be used with Kichler's Design Pro LED Controller. Available in 250' EZ Pull boxes for added convenience. To be used only with the Kichler Design Pro LED Controller. See Kichler DC voltage drop calculator to calculate wire runs.
Input Voltage	Internal lithium battery charges via provided USB cable.	108-132AC 50-60 Hz	N/A
UL Listing	NA, battery powered.	UL listed for dry location: must be used indoors or put in an approved enclosure.	UL listed for 12V outdoor lighting applications. UV stabilized PVC insulated. For direct burial.
Wireless Type	Z-Wave® See <a href="http://www.z-wave.com">www.z-wave.com</a> for additional options.	Z-Wave® See <a href="http://www.z-wave.com">www.z-wave.com</a> for additional options.	N/A
Notes	Add/remove devices, create scenes, and control an entire Z-Wave network with one remote.	Amplifies Z-Wave wireless signals. Ranges differ depending line of sight and interior building materials used.	Use proper direct burial connectors with the approved cable combinations.

Z-Wave is a registered trademark of Sigma Design and its subsidiaries in the United States and other countries.

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## WIRE GAUGE / LENGTH / WATTAGE CHART

### 10 GAUGE WIRE

Length of Wire Shown in Maximum Feet/Meters	0-20W	<b>1,860 ft / 567 m</b>
	40W	<b>930 ft / 283 m</b>
	60W	<b>620 ft / 189 m</b>
	80W	<b>470 ft / 143 m</b>
	100W	<b>370 ft / 113 m</b>

### 12 GAUGE WIRE

Length of Wire Shown in Maximum Feet/Meters	0-20W	<b>1,150 ft / 351 m</b>
	40W	<b>580 ft / 177 m</b>
	60W	<b>390 ft / 119 m</b>
	80W	<b>290 ft / 88 m</b>
	100W	<b>230 ft / 70 m</b>

### 14 GAUGE WIRE

Length of Wire Shown in Maximum Feet/Meters	0-20W	<b>730 ft / 233 m</b>
	40W	<b>370 ft / 113 m</b>
	60W	<b>240 ft / 73 m</b>
	80W	<b>180 ft / 55 m</b>
	100W	<b>140 ft / 43 m</b>

### 16 GAUGE WIRE

Length of Wire Shown in Maximum Feet/Meters	0-20W	<b>450 ft / 137 m</b>
	40W	<b>230 ft / 70 m</b>
	60W	<b>150 ft / 46 m</b>
	80W	<b>110 ft / 34 m</b>
	100W	<b>90 ft / 27 m</b>

### 18 GAUGE WIRE

Length of Wire Shown in Maximum Feet/Meters	0-20W	<b>290 ft / 88 m</b>
	40W	<b>140 ft / 43 m</b>
	60W	<b>90 ft / 27 m</b>
	80W	<b>70 ft / 21 m</b>
	100W	<b>50 ft / 15 m</b>

**NOTE:** Distances are maximums based on 5V drop.