

Standardized Lighting Control Solutions for Retail and Commercial Applications



LitePak™ 2

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LitePak™ 2 is the new and improved standardized lighting control system from Douglas Lighting Controls that provides automated and manual control over indoor and outdoor lighting. Contractors will find the LitePak 2 valuable for small to medium sized projects due to its low cost and ease of installation.

LitePak 2 includes 0-10V dimming control and an LCD touchscreen to make on-site system setting fast and easy. Sensors and switches are powered and controlled through our Dialog 2-wire, low voltage, non-polarized, power and data network that is based on a topology free, low cost #18/2 wire network.

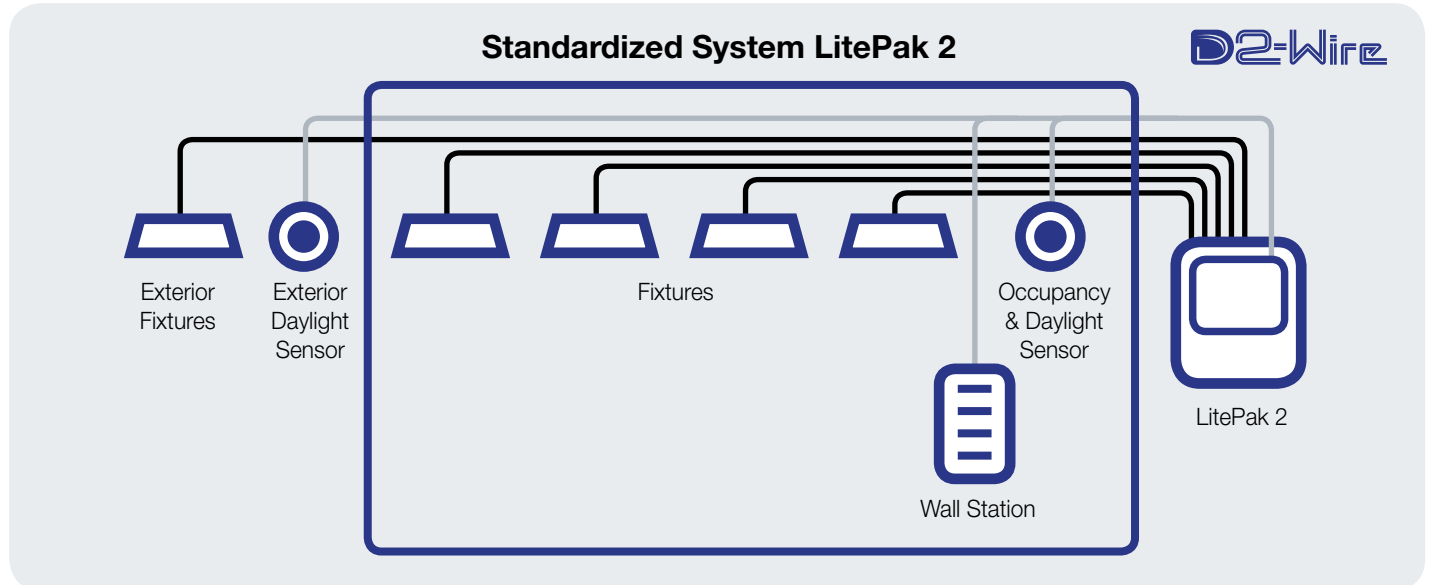
Typical Applications: Retail and Commercial projects including: Gas Stations, Convenience Stores, Warehouses, and Auto Dealerships

System Overview

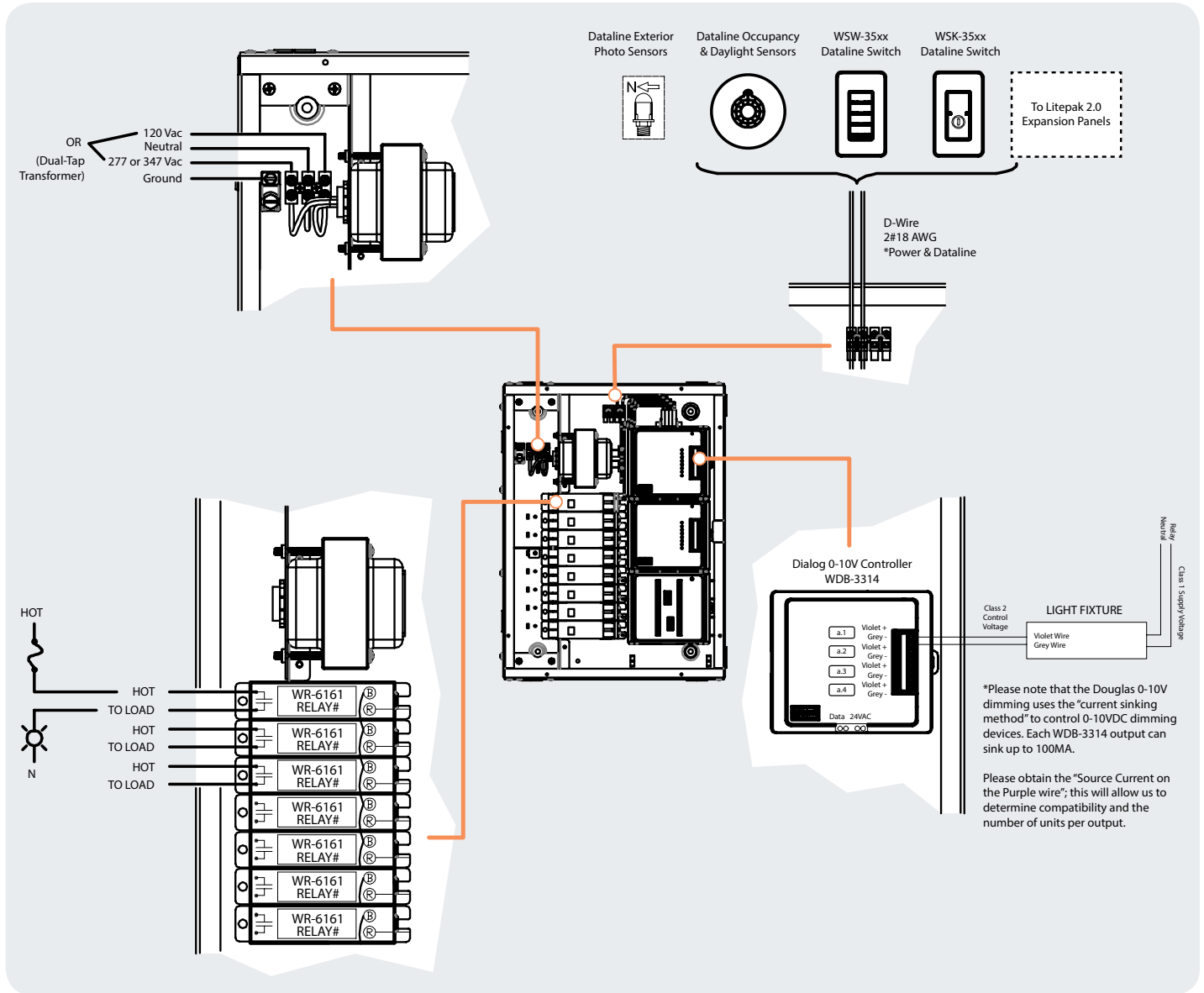
LitePak 2 is available in 8 and 16 relay, dimming or non-dimming, Central and Expansion panel that can be combined to support up to 48 relay circuits. The Central panel contains the LCU (lighting controls unit). Expansion panels are added to build a system up to 48 relay circuits. Panels are available with Surface mount or Flush mount covers. A NEMA type 4 enclosure is available for installing systems in harsh environments.

The touchscreen has a 365-day astronomical clock for time-of-day/sunrise/sunset control, ability to schedule up to 900 events, and connect with peripheral devices (wall switch stations, occupancy sensors, interior and exterior daylight sensors) to run a fully automated lighting system with daylight control. With the addition of dimming capabilities, daylight harvesting can be implemented. LitePak 2 is designed to meet the requirements of ASHRAE 90.1 and Title 24 projects.

Peripheral devices include Douglas Lighting Controls Dialog line of digital Wall Station Switches, Interior Occupancy and Daylight Sensors' and Exterior Daylight Sensors. All devices are powered and controlled over the Dialog 2-wire power and data network. The Dialog handheld infrared remote is used to setup sensors and switches.



Connection Overview



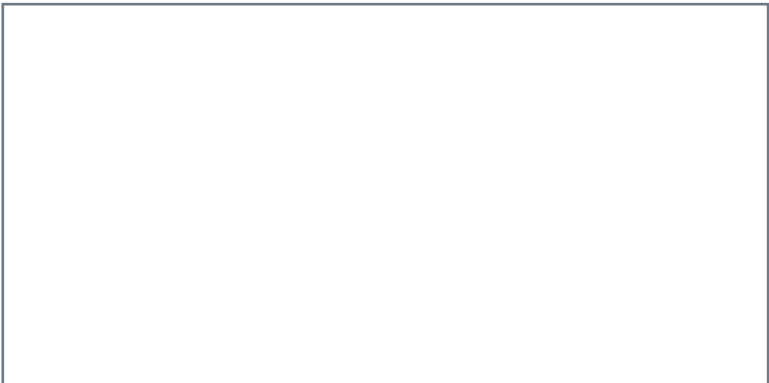
INPUT VOLTAGE	<ul style="list-style-type: none"> 120VAC/277VAC or 120/347VAC (DLP2C); 60Hz models
0-10V SINK CURRENT	<ul style="list-style-type: none"> 100mA per Output
DIALOG DEVICE WIRING LIMIT	<ul style="list-style-type: none"> Max. 1000' from LitePak to furthest device; Total Wire Length Max. 3000'
LOAD RATINGS (PER RELAY)	<ul style="list-style-type: none"> 30A 300VAC General Use 2400W 120VAC Tungsten 20A 300 VAC Standard Ballast 16A 277VAC Electronic Ballast 1/2HP at 110-125VAC 1-1/2HP at 220-277VAC SCCR 18,000A 277VAC CSA 347VAC General Use 2400W 120VAC Tungsten 20A 347VAC Ballast
REGULATORY	<ul style="list-style-type: none"> UL 508A CSA 22.2 #14
DIMENSIONS	<ul style="list-style-type: none"> 8 Relay/8 Dimming 16"H x 12"W x 4.5"D; 22 lbs.; NEMA 4: 20.5"H x 16"W x 6.5"D, 49.5lbs. 16 Relay/16 Dimming 24"H x 12"W x 4.5"D; 32 lbs.; NEMA 4 29.75"H x 16"W x 7"D, 70.5lbs.
WARRANTY	<ul style="list-style-type: none"> Standard 1-year

PART NUMBER	DESCRIPTION
DLP2-8R8D-SM	120/277VAC, 8 RELAY, 8 DIM, SURFACE MOUNT
DLP2-8R8D-FM	120/277VAC, 8 RELAY, 8 DIM, FLUSH MOUNT
DLP2-8R8D-N4	120/277VAC, 8 RELAY, 8 DIM, NEMA TYPE 4
DLP2-16R16D-SM	120/277VAC, 16 RELAY, 16 DIM, SURFACE MOUNT
DLP2-16R16D-FM	120/277VAC, 16 RELAY, 16 DIM, FLUSH MOUNT
DLP2-16R16D-N4	120/277VAC, 16 RELAY, 16 DIM, NEMA TYPE 4
DLP2-8R-SM	120/277VAC, 8 RELAY, SURFACE MOUNT
DLP2-8R-FM	120/277VAC, 8 RELAY, FLUSH MOUNT
DLP2-8R-N4	120/277VAC, 8 RELAY, NEMA TYPE 4
DLP2-16R-SM	120/277VAC, 16 RELAY, SURFACE MOUNT
DLP2-16R-FM	120/277VAC, 16 RELAY, FLUSH MOUNT
DLP2-16R-N4	120/277VAC, 16 RELAY, NEMA TYPE 4
DLP2-8R8D-SM-EXP	120/277VAC, 8 RELAY, 8 DIM, SURFACE MOUNT, EXPANSION PANEL
DLP2-8R8D-FM-EXP	120/277VAC, 8 RELAY, 8 DIM, FLUSH MOUNT, EXPANSION PANEL
DLP2-8R8D-N4-EXP	120/277VAC, 8 RELAY, 8 DIM, NEMA TYPE 4, EXPANSION PANEL
DLP2-16R16D-SM-EXP	120/277VAC, 16 RELAY, 16 DIM, SURFACE MOUNT, EXPANSION PANEL
DLP2-16R16D-FM-EXP	120/277VAC, 16 RELAY, 16 DIM, FLUSH MOUNT, EXPANSION PANEL
DLP2-16R16D-N4-EXP	120/277VAC, 16 RELAY, 16 DIM, NEMA TYPE 4, EXPANSION PANEL
DLP2-8R-SM-EXP	120/277VAC, 8 RELAY, SURFACE MOUNT, EXPANSION PANEL
DLP2-8R-FM-EXP	120/277VAC, 8 RELAY, FLUSH MOUNT, EXPANSION PANEL
DLP2-8R-N4-EXP	120/277VAC, 8 RELAY, NEMA TYPE 4, EXPANSION PANEL
DLP2-16R-SM-EXP	120/277VAC, 16 RELAY, SURFACE MOUNT, EXPANSION PANEL
DLP2-16R-FM-EXP	120/277VAC, 16 RELAY, FLUSH MOUNT, EXPANSION PANEL
DLP2-16R-N4-EXP	120/277VAC, 16 RELAY, NEMA TYPE 4, EXPANSION PANEL
DLP2C-8R-SM	120/347VAC, 8 RELAY, SURFACE MOUNT
DLP2C-8R-FM	120/347VAC, 8 RELAY, FLUSH MOUNT
DLP2C-8R-N4	120/347VAC, 8 RELAY, NEMA TYPE 4
DLP2C-16R-SM	120/347VAC, 16 RELAY, SURFACE MOUNT
DLP2C-16R-FM	120/347VAC, 16 RELAY, FLUSH MOUNT
DLP2C-16R-N4	120/347VAC, 16 RELAY, NEMA TYPE 4
DLP2C-8R8D-SM-EXP	120/347VAC, 8 RELAY, 8 DIM, SURFACE MOUNT, EXPANSION PANEL
DLP2C-8R8D-FM-EXP	120/347VAC, 8 RELAY, 8 DIM, FLUSH MOUNT, EXPANSION PANEL
DLP2C-8R8D-N4-EXP	120/347VAC, 8 RELAY, 8 DIM, NEMA TYPE 4, EXPANSION PANEL
DLP2C-16R16D-SM-EXP	120/347VAC, 16 RELAY, 16 DIM, SURFACE MOUNT, EXPANSION PANEL
DLP2C-16R16D-FM-EXP	120/347VAC, 16 RELAY, 16 DIM, FLUSH MOUNT, EXPANSION PANEL
DLP2C-16R16D-N4-EXP	120/347VAC, 16 RELAY, 16 DIM, NEMA TYPE 4, EXPANSION PANEL
DLP2C-8R-SM-EXP	120/347VAC, 8 RELAY, SURFACE MOUNT, EXPANSION PANEL
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DLP2C-8R-N4-EXP	120/347VAC, 8 RELAY, NEMA TYPE 4, EXPANSION PANEL
DLP2C-16R-SM-EXP	120/347VAC, 16 RELAY, SURFACE MOUNT, EXPANSION PANEL
DLP2C-16R-FM-EXP	120/347VAC, 16 RELAY, FLUSH MOUNT, EXPANSION PANEL
DLP2C-16R-N4-EXP	120/347VAC, 16 RELAY, NEMA TYPE 4, EXPANSION PANEL



Douglas Lighting Controls
toll free: 877-873-2797
direct: 604-873-2797
lighting@douglaslightingcontrols.com
www.douglaslightingcontrols.com

Your Douglas Lighting Controls representative:



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