

Lighting Control Solutions



DIALOG®

Why Dialog®?

Service

Best-in-class pre-sales, quote, & design services
Exceptional post-sales site & technical support
1,500 annual projects ranging small to large

Reliability

100% project quality control
Industry best practices for design & testing
Make use of highest performing components

Integrity

Over 50 years of proven experience
Unwavering commitment to successful outcomes
Backed by a global leader - Panasonic

Capabilities:

- Complete control at facility, floor, area, and room level
- Scalable for office towers, stadiums and campuses
- Interactive with energy management system (via BACnet interface)
- Multiple user interfaces:
 - Built-in touch screen
 - PC via web browser
 - Mobile (tablet) device
 - Event logging
- Handheld Infrared Remote for easy on-site sensor and switch adjustments

Functionality:

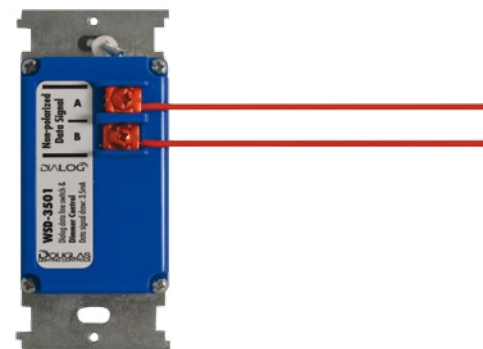
- Addressability
- Astronomical time clock
- Scheduling including vacation overrides
- 0-10V dimming
- Quick diagnostic checks via on-controller LED
- Natural daylight priority
- Room control
- Demand response
- Zone control/Ballast control

Benefits:

- Proven reliability
- One source solution - panels, controllers, ballasts, sensors, and switches
- Simple, quick installation – time savings
- 2-wire connectivity – cost and time savings
- Easy commissioning – time savings
- Configurable to meet ASHRAE, CEC Title 24, New York Local Law 48 and LEED requirements



Dialog LCU (Lighting Control Unit - WLC-3150)



Our non-polarized, topology free, #18AWG, 2-wire data network makes installation fast, easy, and cost effective.

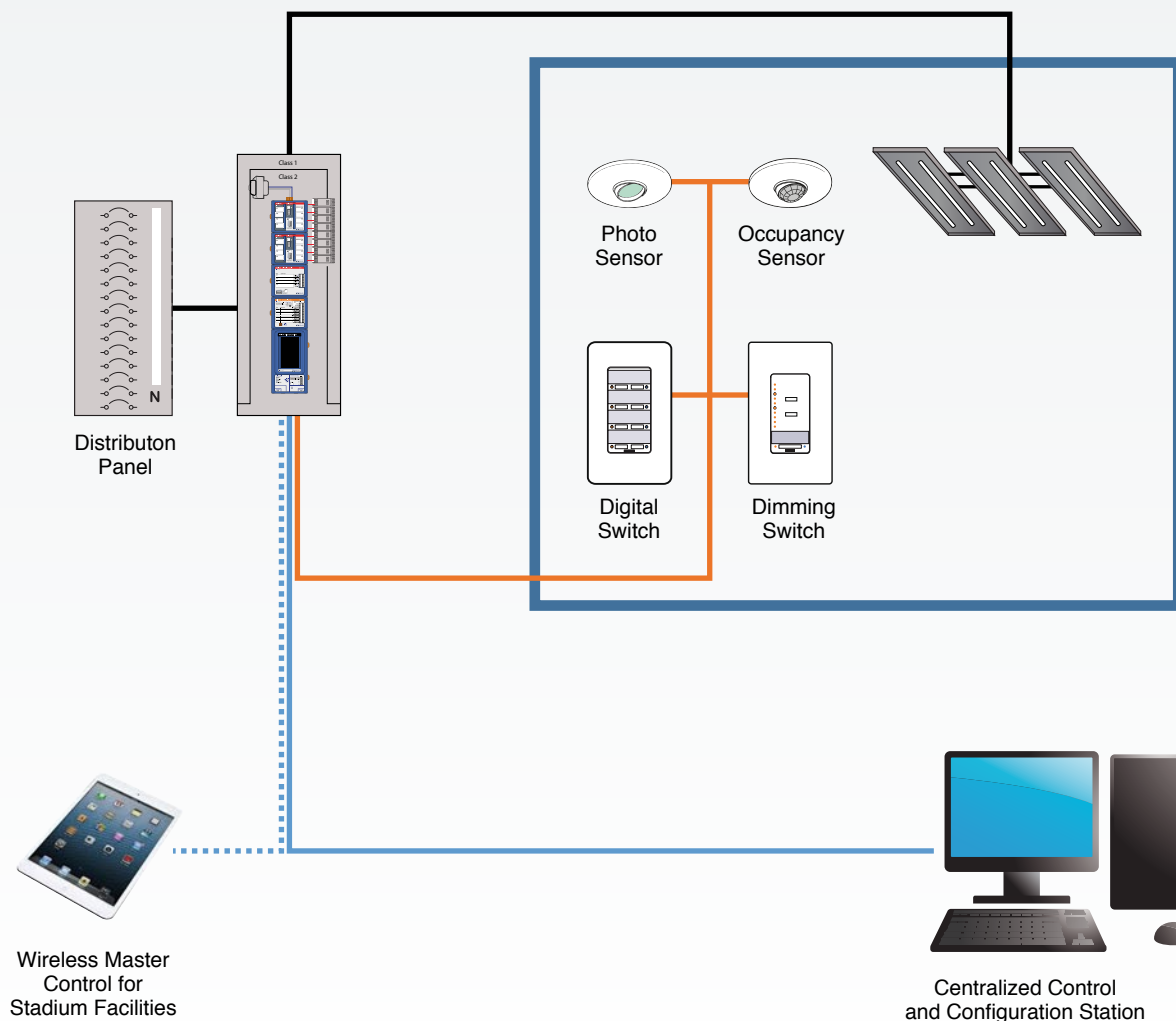
Dialog® Overview

Dialog® is based on our 2-wire, non-polarized data network using standard and readily available #18AWG wire. Dialog eliminates your concerns about how to connect the system together or the cost of system specific wiring, CAT5 cables, terminator plugs, connectors, or the loss of communication through wireless devices. All devices communicate with the centralized Dialog Lighting Control Unit (LCU) through the 2-wire network. Simplicity in the installation saves time and gets your system up and running sooner. Once the system wiring is in place, start-up is a matter of landing the final connections and powering up the system.



ASHRAE 90.1-2010

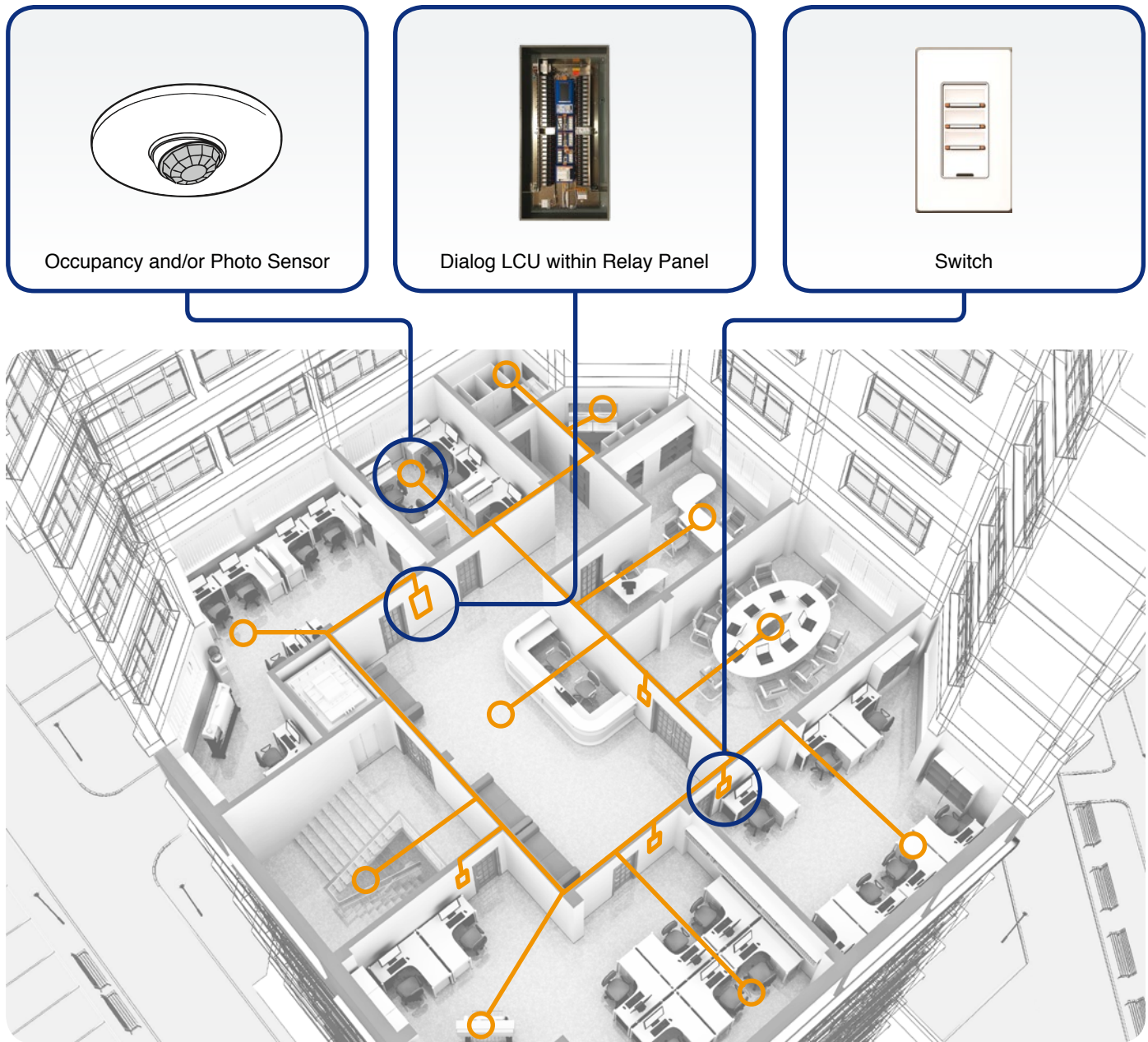
From Relay Panel to One Room



Dialog® Grows With Your Needs

Dialog® truly is a scalable solution. By connecting devices (switches and sensors) from each room to the Dialog Lighting Control Unit (LCU) via the 2-wire network, control over the entire floor is now centralized while still providing the capability for individual room control. Each LCU is capable of supporting 256 relay outputs and 256 independent dimmer channels.

For large spaces or multiple floors that exceed a single LCU output limit, additional LCUs are added to the network. All LCUs can be managed from a centralized control station (optional).



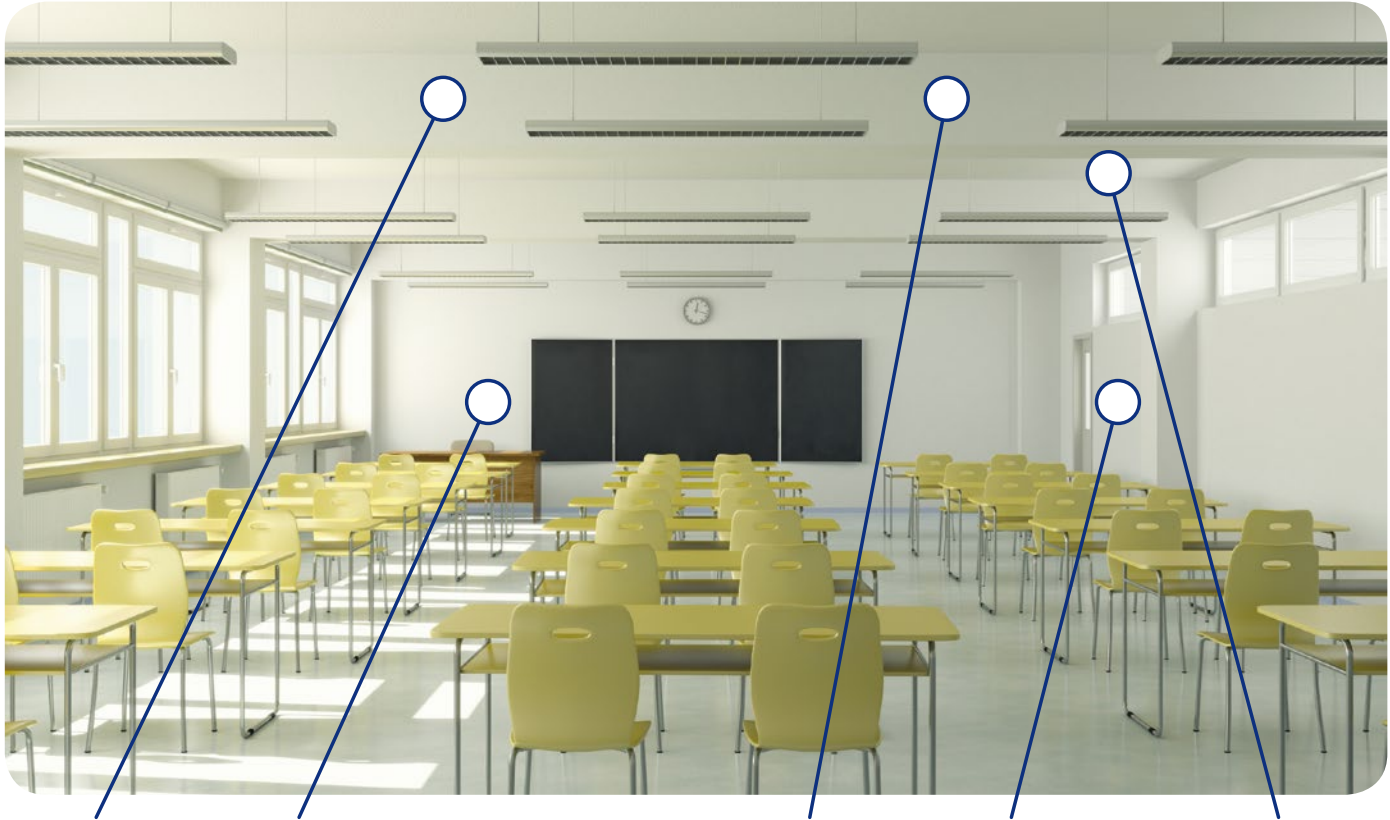
Dialog® Components

Dialog® Components	Part no.
Lighting Control Unit (LCU)	WLC-3150
Infrared Setting Unit	WIR-3110
Relay Driver	WRD-3408
Data Line 0-10V Ballast Controller	WDB-3314
Telephone Interface	WTI-3101
BACnet IP Gateway	WNG-3131
Daylight Sensor – Interior	WPS-3711
Daylight Sensor – Exterior	WPS-3741
Contact Input	WCI-3928
Occupancy Sensor – Ceiling, Dual Tech, Standard Lens	WORS DG1-P-N
Occupancy Sensor – Ceiling, Dual Tech, Extended Range Lens	WORX DG1-P-N
Occupancy Sensor – Wall Switch, Dual Tech	WOSS DG1-P-VW
Occupancy Sensor – Corner Mount, Dual Tech	WOWC DG1-P-N
Power Pack 120/277Vac 1-pole	WP-PP20-D
Power Pack 120/277Vac 2-pole	WP-PP20-2P-D
Power Pack 347Vac 1-pole	WP-PP20-347-D
Transformer	WR-4075-120/277; WR-4075-120/347
Amplifier	WR-3912
Dimmers	DLS-4500 DLS-22000 DLS-41000
Global Webserver	GWS-Basic GWS-Graphics
Wall Switches	WSW-3511 (1 button) WSW-3512 (2 button) WSW-3513 (3 button) WSW-3514 (4 button) WSW-3518 (8 button) WSD-3501 (dimmer & 1 button) WSK-3502 (key switch)
Faceplates, White plastic, Hidden Screws, 1-5 gang	WN-80301 WN-80309 WN-80311 WN-80312 WN-80321
Faceplates, Stainless Steel, Visible mounting screws, 1-5 gang	WN-97401 WN-97402 WN-97403 WN-97404 WN-97405

Dialog® Room Controller

A Plug 'N Control™ Lighting Solution for Classrooms and Offices.

The Dialog® Room Controller is offered in factory configured kits that make installation and commissioning easy. Devices are connected via the Dialog 2-wire network. Dialog Room Controller systems are BACnet and Demand Response ready.



Daylight Sensor



Teacher Station



ASHRAE 90.1-2010



Occupancy Sensors



Entry Station



Dialog Room Controller*
with UL924 Relay
Expansion Pack
*Patent Pending

Designed to Eliminate Wiring Complications

Dialog Room Controller mounts directly to junction boxes with the incorporated 1/2" chase nipples. Easily identifies wiring connections utilizing color-coded labels.

Simple Installation and Operation

Eliminate commissioning challenges with Plug 'N Control out-of-the-box functionality.

Global Control and Scheduling

The Dialog Room Controller can be incorporated into a centralized, and fully networked Dialog system.

Applications



Retail/Commercial

Malls, Stand-alone Retail, Big Box, Warehouse/Assembly Plant, Seasonal Lights, Receptacles



Schools

Classrooms, Hallways, Stairwells, Offices, Gymnasiums, Exteriors, Parking



Offices

Private or Common Areas, Conference Rooms, Floors, Entire Buildings, Exterior/Site



Airports

Common Areas, Exterior/Site, Restrooms, Offices, Exterior/Parking



Healthcare Facilities

Nursing stations, Hallways, Stairways, Offices, Rooms, Exterior/Parking



Stadiums

Field, Private Boxes, Seating, Levels, Exterior, Restrooms, Exterior/Parking, Advertising Systems

“

The *Dialog®* system from Douglas Lighting Controls has been an easy transition from our old lighting system at **Reed Arena**. Our staff were able to quickly understand and learn how to operate the system; while for me, what's really valuable is the system's mobile control platform. It allows me to move around the buildings to attend to all my daily activities while allowing me to make lighting changes immediately if needed.”

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Roger Schoppe, Building Superintendent
Texas A & M University



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Your Douglas Lighting Controls representative:



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