nLIGHT®

nIO PC Kit
Outdoor Photocell Interface Kit

OVERVIEW

The nLight nIO PC KIT provides an outdoor photocontrol solution for nLight networks. In addition to a weatherproof outdoor photocontrol that mounts to any 1/2" knockout, the nIO PC KIT includes an interface device with a normally low input. This device called a nIO NLI, detects the state of the photocontrol and communicates it over the nLight network to a relay(s) controlling a lighting load. The nIO NLI can also trigger local or remote control scenes to run when the photocontrol's state changes.

The nIO NLI is daisy-chain wired into any zone of nLight devices (sensors, power packs, WallPods) using CAT-5e cabling. Power to the nIO NLI device is provided by the CAT-5e connection to an nLight power pack/supply within its zone, or a Bridge. Power to the outdoor photocontrol is provided via Class 2 wires from the included PS 150 power supply or other low voltage source (for example the auxiliary power output on an ARP Panel).

The nIO NLI can trigger one of several modes when the connected outdoor photocontrol changes states:

- WallPod Mode: Turns relays on/off within its zone
- Local Scene Mode: Initiates a scene to run on its local zone
- Remote Scene Mode: Requests the Gateway to run a system profile on non-local devices or zones

FEATURES

- Kit Provides both Outdoor Photocell & Specialized nIO Interface Device
- nIO Interfaces Outdoor Photocell Using Normally Low Input
- Sends Toggle Signal to Relays within Local Zone
- Initiates a Local or Remote Scene
- Communicates w/ nLight Network
- Remotely Configurable/Upgradeable
- Push-Button Programmable
- Includes PS 150 Power Supply

Daylight Condition	PC Output	nIO NLI 1S Action	
		WallPod Mode	Scene Mode
Night Time	High	Exert On	Send Scene
Day Time	Low	Exert Off	Run Defaults

*Outdoor Photocell (PC) is model number LCS-624D from Precision Mulitple Controls Inc.

Government Procurement
BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

Warranty
Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application
Specifications subject to change without notice.

◁A+ Capable

This item is an A+ capable component, which has been designed and tested to provide out-of-the-box luminaire compatibility with simple commissioning, when included as part of an A+ Certified™ Solution.

To learn more about A+, visit www.acuitybrands.com/aplus.

ORDERING INFORMATION

nIO PC KIT	Example: nIO PC KIT

Series	Buy America(n)	
nIO PC KIT	[blank]	Standard
	BAA	Buy America(n) Act and/or Build America Buy America Qualified

WIRING
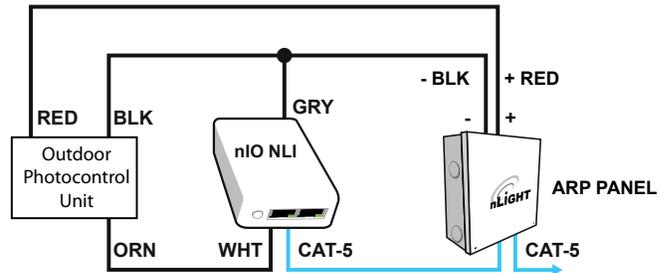
*Note, line connection to power supply not shown. Additional nLight devices are required to switch lighting load (e.g., nPP16).
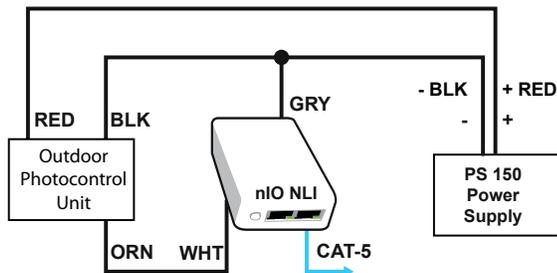
*Note, line and load connections to ARP Panel not shown.

Note: If wiring to ARP card, Red and Black class2 wire to be wired to the Sensor or Override inputs of the ARP panel.

SPECIFICATIONS

(nIO NLI)

Size:	2.54″ H x 1.98″ W x 1.0″ D (6.45 cm x 5.03 cm x 2.54 cm)
Weight:	2 oz
Color:	White
Network Connection:	2 RJ-45 each device
Power Requirements:	< 3 mA
Wires:	20 AWG (2)
Standards:	Energy Management Equipment UL916 (E167435), Plenum UL2043, RoHS Compliant

(PC)

Size:	4.5″ H x 1.75″ W x 1.5″ D (11.43 cm x 4.45 cm x 3.81 cm)
Mounting:	1/2" KO in any approved weatherproof outdoor box
Weight:	4 oz
Color:	Gray
PowerRequirements:	< 35 mA @ 12-28 VDC
Wires:	20 AWG (3)

(PS150)

Size:	(not including ½" chase nipple) 3.00" H x 2.25" W x 1.88" D
	(7.62 cm x 5.72 cm x 4.78 cm)
Weight:	6 oz
Mounting:	1/2" KO
Color:	Black
Operating Voltage:	120/277
Output Voltage, Current:	15 VDC, 150 mA
Wires:	18 AWG (3) & 20 AWG (2)
Standards:	Energy Managment Equipment UL916 (E167435), Plenum UL2043, RoHS Compliant

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