Catalog Number: | Date: | Project:

OVERVIEW

The nLight Handheld Programmer uses a Bluetooth® Low Energy (BLE) Radio Module to allow wireless communication between the local nLight zone and iOS/Android smart phone application, CL**AIR**ITY+. This device offers two RJ-45 ports to be placed in any location on a local nLight zone, and is powered directly off of the nLight bus. The CL**AIR**ITY+ application offers secure pairing with the BLE device when within range, and once connected can be used for identifying and configuring devices within that zone.

FEATURES

- Complies with California Civil Code Title 1.81.26, Security of Connected Devices, approved under Senate Bill No. 327 (2018)

nIO BT

Bluetooth® Low Energy Communication Module

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.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

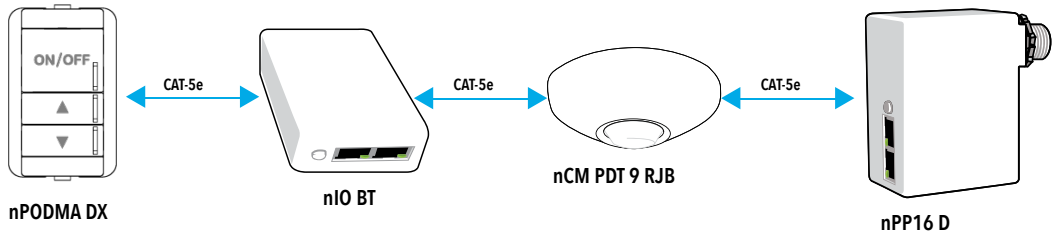
Design Select options indicated by this color background.

ORDERING INFORMATION

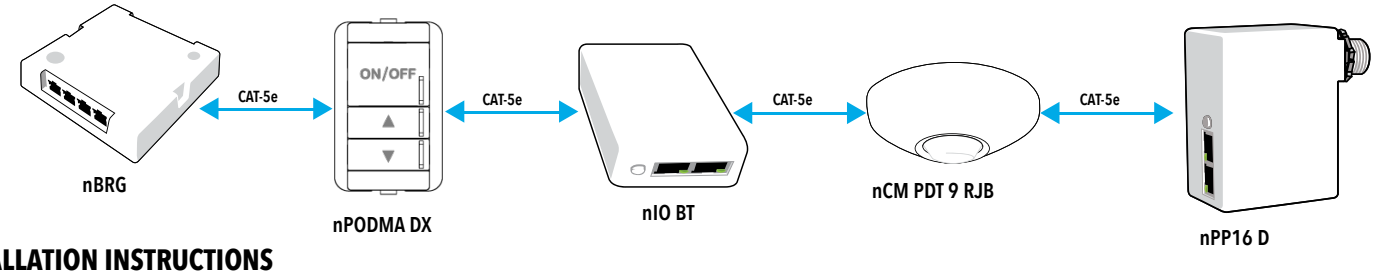
nIO BT	Example: nIO BT
Series	
nIO BT Bluetooth Low Energy Communication Module	

WIRING

Stand-Alone nLight Zone



nLight Zone Connected to Backbone



INSTALLATION INSTRUCTIONS

NOTE: Unit cannot be installed inside a metal enclosure, and care should be taken to keep unit from sitting directly on metal to ensure the best signal strength.

- Interconnect unit with other nLight devices in lighting zone using CAT-5e cables
- Once power is received via CAT-5e connection, BLE radio will begin broadcasting presence
- Open nLight Handheld Programmer App via Android/iOS smart phone, and follow instructions for pairing

COMPLIANCE INFORMATION

nIO BT: FCC: VR8-SSIINTR004
IC: 7791A-SSIINTR004

These devices comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The intentional radiator is identical in all variants of the apparatus.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAN RSS-Gen/CNR-Gen:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur approuvé pour l'émetteur par Industrie Canada.

Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que lapuissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

–Reorient or relocate the receiving antenna.
–Increase the separation between the equipment and receiver.
–Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
–Consult the dealer or an experienced radio/TV technician for help.

SPECIFICATIONS

Electrical	**Input Ratings**	15-24VDC, 7mA, Class 2 (nLight network power)
	Standards/ Ratings	Energy Management Equipment, UL916 (E167435)
Mechanical	**Dimensions**	2.54"H x 1.98"W x 1.00"D (65mm x 50mm x 25mm)
	Mounting	Pre-drilled screw hole
	Color	Transparent Gray (with Blue LED)
	Connection Type	RJ-45 nLight Network Ports (2) Bluetooth (Approximate Range: 50ft line of sight, 30ft through plasterboard/dry wood, 15ft through concrete)
Environmental	**Warrantied Operating Temperature**	32°F to 140°F (0°C to 60°C)
	Relative Humidity	Up to 90%, Non-Condensing
	Standards/ Ratings	RoHS, Plenum UL2043
General	**Standards/ Ratings**	System Component to aid in compliance with Title 24, ASHRAE 90.1, IECC