

OVERVIEW

The nLight® AIR Adapter is used to connect an nLight AIR control system to the nLight ECLYPSE®, enabling time-based configuration, remote programming, and control via BACnet, Automated Demand Response, and RESTful API. Using browser based software, users can control their wired and wireless nLight devices through a graphic floor plan, configure settings through the floor plan view or a tree view, and perform firmware updates.

The nLight AIR Adapter gives secure network capability to devices within a single space or across multiple spaces. A network of nLight AIR devices can be zoned, programmed, and controlled through an nLight ECLYPSE and Adapter with protection from nLight AIR's robust five-tier security framework.

FEATURES

- Enables wireless network control of up to 750 nLight AIR devices (per nLight AIR Adapter) in a single space or across multiple spaces
- Allows control of devices through SensorView software, BACnet commands, Automated Demand Response, and RESTful API
- Easy wiring through a USB connection to the nLight ECLYPSE.
- 5-tier security prevents unauthorized control of the wireless network.
- IP66 rating for indoor and outdoor use.
- Includes a 16-foot cable and a mounting bracket.
- Supports web-based update of devices using SensorView software

Government Procurement

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA - Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/resources/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.

nLight, nLight AIR and the Acuity Controls and Acuity Brands logos are trademarks of Acuity Brands. Bluetooth is a trademark of Bluetooth SIG, Inc. used by Acuity Brands under license. Apple and the Apple logo are trademarks of Apple Inc. Android and Google Play are trademarks of Google, Inc. Other trademarks are property of their respective owners.



nLight® AIR
Adapter
Wirelessly enables nLight
AIR devices to communicate
with nLight ECLYPSE
Controller



ORDERING INFORMATION

NECY		Examples: NECYD NLTAIR G2	
Series		Generation	
NECYD NLTAIR	Networked nLight AIR wireless adapter	G2	Generation 2 compatibility

Accessories: Order as separate catalog number.	
RPP20 EFP EXT G2	Extender power/relay pack ²

- Notes:
1. Wireless Range is subject to site-specific conditions. See nLight AIR Design Guide for more information.
 2. Dedicated signal extender/repeater device. Product is equivalent to [RPP20 EFP G2](#). See spec sheet for product details.

SPECIFICATIONS

Dimensions:	5" h x 1.62" l x 1.62" d
Product Weight:	5.8 oz
Trim Color:	White
Enclosure Material:	Technomelt™ (high performance thermoplastic polyamide)
Max Humidity:	0-95% non-condensing
Operating Temperature:	-40°C to 65°C
Mounting:	Ceiling mount, wall mount, panel mount (with included bracket)
Radio Frequency:	Dual Radio: 900MHz & 2.4GHz
RF Transmit Power:	900Mhz: up to 27 dBm 2.4GHz: up to 10.4 dBm
Wireless Standard:	900MHz: IEEE 802.15.4-based 2.4GHz: Version 4.0+ of the Bluetooth specification
Wireless Range:	1,000 ft line of sight, 150 ft range in standard indoor construction ¹ Connected nLight AIR devices support repeating broadcasts to increase initial broadcast range ¹
Security:	Application Data Encryption: AES-128 bit Mutual Entity Authentication Message Confidentiality Message Authentication and Replay Prevention Limited Anonymity Complies with California Civil Code Title 1.81.26, Security of Connected Devices, approved under Senate Bill No. 327 (2018)
Regulatory Compliance:	FCC: 2ADCB-RMODITHP, IC: 6715C-RMODITHP Safety: Canada & US UL Listed; RoHS Compliant
Cable:	16 ft; not plenum rated

MECHANICAL AND MOUNTING DETAILS

