

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, mounting bracket, and an optional extender for remote mounting.
- Supports web-based update of devices using SensorView software

Warranty

Five-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

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

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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

Additional Accessories: Order as separate catalog number.

NECYD EXT150 USB to CAT6 extender to add up to 150 feet of length ^{1,3}

Notes:

1. USB extender requires 120V. Wall adapter is included for connection closest to the NECYD NLTAIR G2. Requires use of CAT6 cable (provided by others). CAT5 and CAT5e cable should not be used with this product.
2. Wireless Range is subject to site-specific conditions. See nLight AIR Design Guide for more information.
3. The USB extender accessory is manufactured by CommFront. Five-year limited manufacturer warranty. Please reference www.acuitybrands.com/support/customer-support/terms-and-conditions regarding third party manufacturer warranty terms.

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 ² Connected nLight AIR devices support repeating broadcasts to increase initial broadcast range ²
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:	Wireless: FCC, IC, Safety: Canada & US UL Listed; RoHS Compliant
Cable:	16 ft; not plenum rated

MECHANICAL AND MOUNTING DETAILS

