nLiGHT®

nAR 40
Auxiliary Relay

OVERVIEW

The nLight nAR40 Series auxiliary relay pack is a device that enables convenient switching of low voltages primarily for interfacing with non-nLight devices or control systems. Its two RJ-45 connectors make control wiring with standard CAT-5 cabling easy and clean. For simplifying installation, an auxiliary relay pack has an elongated chase nipple that allows it to be attached directly though a ½" knockout into a junction box.

FEATURES

- Communicates w/ nLight Network
- Remotely Configurable/Upgradeable
- Push-Button Programmable
- Reversible Relay Logic
- Plenum Rated
- Green LED Indicator

Buy American Act
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.
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.

ds 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

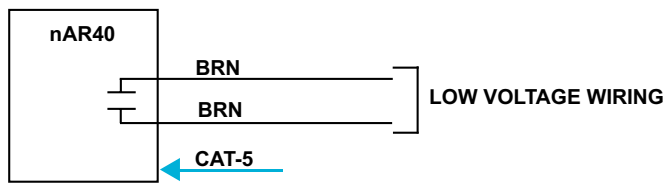ds Design Select options indicated by this color background.

ORDERING INFORMATION

nAR40		Example: nAR40
Series	**Temp/Humidity**	**Buy America(n)¹**
nAR40	[blank] Standard LT Low temp	[blank] Standard BAA Buy America(n) Act Compliant

Notes:
1. Not available with LT

WIRING (DO NOT WIRE HOT)

Sensor power is provided via the CAT-5 connection. CAT-5 cables can be wired using either T568A or T568B pin/pair assignments.
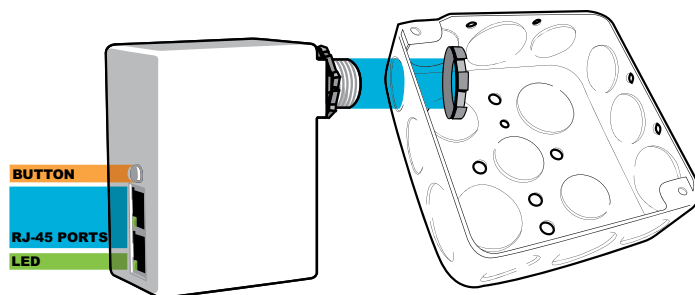

OPERATIONAL SETTINGS

Several operational settings for the nAR40 are available:

Override (On/Off/Normal)

Occupancy Tracking (Enable/Disable)

Photocell Tracking (Enable/Disable)

Switch Tracking (Enable/Disable)

Occupancy Tracking Channel (1-16)

Photocell Tracking Channel (1-16)

Switch Tracking Channel (1-16)

Button Mode (Enable/Disable)

Start to High (Enable/Disable)

Invert Relay Logic (Enable/Disable)

LED (Override On/Override Off/Normal)

Special Modes:
  Manual On to Auto Off (Semi-Auto), Auto to (Timed) Override On,
  Manual to (Timed) Override On, Manual On to Full Auto, Predictive Off

INSTALLATION

- Mount to any junction box through a ½" knockout (note: chase nipple is long enough to accomodate mounting inside an adjacent box if necessary for local code requirements)
- Interconnect unit (via RJ-45 ports) with other nLight devices in lighting zone using CAT-5 cables
- Once power is received via CAT-5 connection, all devices in zone will automatically begin functioning together according to each device's defaults

SPECIFICATIONS

Electrical	Input Ratings	15-24VDC, 3mA, Class 2 (nLight network power)
	Output Ratings	40VAC/DC, 1A
	Relay Type	Latching
	Standards/ Ratings	Energy Management Equipment, UL916 (E167435)
Mechanical	Dimensions	3.38"H x 2.53"W x 1.83"D (86mm x 64mm x 47mm) - does not include ½" chase nipple
	Mounting	1/2" Knockout (7/8" hole)
	Color	White
	Connection Type	RJ-45 nLight Network Ports (2) Low-Voltage Leads
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