# WaveLinx Wired

## UIM-NA

Mini Universal Interface Module

### Typical Applications

Office • Education • Healthcare • Hospitality • Retail

### Interactive Menu

## Product Features

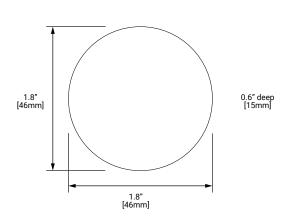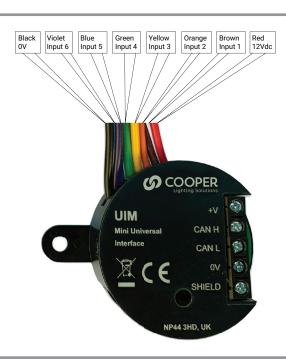| Demand Response | WaveLinx Wired 5-Wire Bus | Receptacle Control | Task Tuning | Occupancy Sensor |
|---|---|---|---|---|

## Top Product Features

- 6 inputs which can be individually configured
- 8 sequences with up to 30 steps per sequence
- Only 45mm in diameter so can easily fit in a junction box
- Configuration stored in non volatile memory
- Configurable startup mode

## Dimensional and Wiring Details

1.8"
[46mm]

1.8"
[46mm]

0.6" deep
[15mm]

| Black 0V | Violet Input 6 | Blue Input 5 | Green Input 4 | Yellow Input 3 | Orange Input 2 | Brown Input 1 | Red 12Vdc |

UIM
Mini Universal Interface

+V
CAN H
CAN L
0V
SHIELD

NP44 3HD, UK

## Order Information

Catalog Number

| Catalog Number | Description |
|---|---|
| UIM-NA | Mini UIG interface module |

## Product Specifications

### Key Features
- 6 inputs which each can be individually configured as 0-5V analog, digital or photoelectric cell inputs
- 8 sequences with up to 30 steps per sequence
- 1.7" diameter interface easily fits in standard junction boxes
- Configuration stored in Non Volatile EEPROM
- Firmware storage in reflashable FLASH memory over WaveLinx Wired network
- Configurable start up mode

### Standards/Ratings
- Manufactured in an ISO 9001 certified factory
- CE compliant to all relevant standards
- cULus Listed - Energy Management Equipment (UL916)
- Manufactured in an ISO 9001 certified factory
- Meets ASHRAE Standard 90.1 requirements
- Meets IECC 2015 requirements
- Meets CEC Title 24 requirements

**Product Safety:**
- IEC 60950-1
- UL 60950-1
- EN 60950-1
- CAN/CSA-C22.2 No. 60950-1

**Environmental Regulations:**
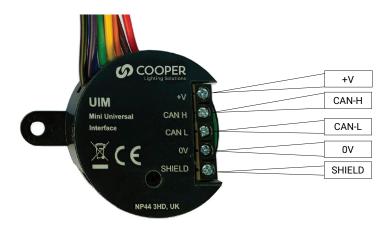- RoHS Directive 2011/65/EU
- WEEE Directive 2012/19/EU

### Warranty
Five-year warranty standard

## Overview

The UIM-NA (Mini Universal Interface) has 6 inputs which can be individually configured as analogue inputs, digital inputs or photoelectric cell inputs. Press and Release actions can be defined individually for each of the inputs through software. This allows custom controls to be added to the WaveLinx Wired system.

## Wiring Details



* Wiring from UIM-NA to connected input devices should not exceed 32 feet.

** Devices such as occupancy sensors may require switchpacks for proper operation.

## System architecture

Simple WaveLinx Wired system

**WaveLinx Wired Area Controller**

SCMD4-NA

SCMD4-NA

WaveLinx Wired Local Bus (polarity, topology free)
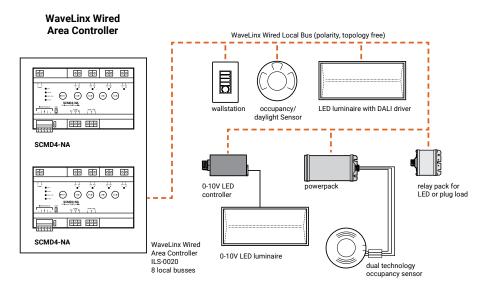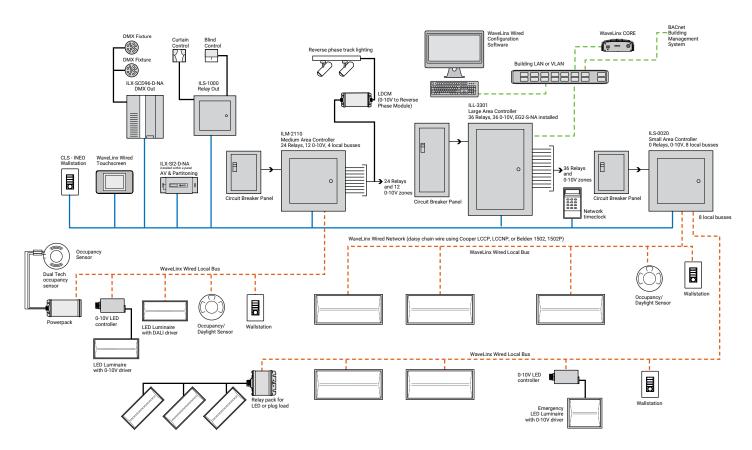
wallstation

occupancy/daylight Sensor

LED luminaire with DALI driver

WaveLinx Wired Area Controller ILS-0020 8 local busses

0-10V LED controller

powerpack

relay pack for LED or plug load

0-10V LED luminaire

dual technology occupancy sensor

Complete WaveLinx Wired system

DMX Fixture

DMX Fixture

Curtain Control

Blind Control

Reverse phase track lighting

WaveLinx Wired Configuration Software

WaveLinx CORE

BACnet Building Management System

Building LAN or VLAN

ILX-SCD96-D-NA DMX Out

ILS-1000 Relay Out

LDCM (0-10V to Reverse Phase Module)

ILL-3301 Large Area Controller 36 Relays, 36 0-10V, EG2-S-NA installed

ILS-0020 Small Area Controller 0 Relays, 0-10V, 8 local busses

ILM-2110 Medium Area Controller 24 Relays, 12 0-10V, 4 local busses

CLS - INEO Wallstation

WaveLinx Wired Touchscreen

ILX-SI2-D-NA installed within a panel AV & Partitoning

Circuit Breaker Panel

24 Relays and 12 0-10V zones

Circuit Breaker Panel

36 Relays and 0-10V zones

Network timeclock

Circuit Breaker Panel

8 local busses

WaveLinx Wired Network (daisy chain wire using Cooper LCCP, LCCNP, or Belden 1502, 1502P)

WaveLinx Wired Local Bus

Occupancy Sensor

Dual Tech occupancy sensor

WaveLinx Wired Local Bus

Powerpack

0-10V LED controller

LED Luminaire with DALI driver

Occupancy/Daylight Sensor

Wallstation

Occupancy/Daylight Sensor

Wallstation

LED Luminaire with 0-10V driver

WaveLinx Wired Local Bus

Relay pack for LED or plug load

0-10V LED controller

Emergency LED Luminaire with 0-10V driver

Wallstation

**COOPER** Lighting Solutions
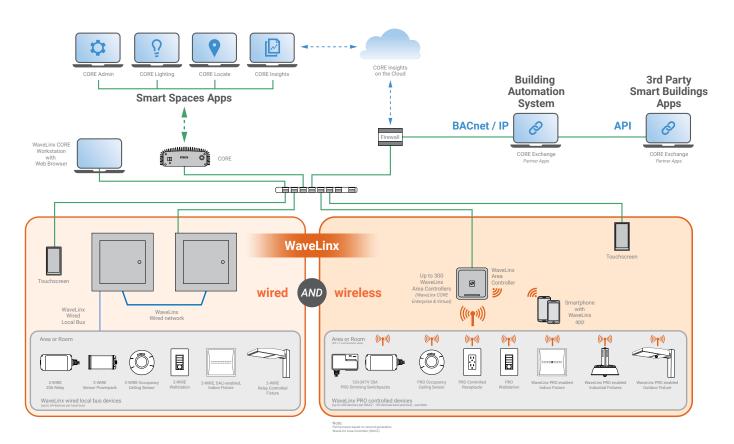
## Sample System Topology:

This diagram shows the main components of the WaveLinx wired and PRO wireless connected lighting system.

The **WaveLinx PRO wireless system** communicates using wireless mesh technology based on the IEEE 802.15.4 standard. A PoE LAN connection for each WaveLinx Area Controller (WAC) is required for power and data access to the building lighting network.

The **WaveLinx wired system** controls the devices using relay, 0-10V, DMX and the WaveLinx wired digital local bus. The WaveLinx wired system connects to the building LAN using the EG2 module. Each WaveLinx wired area controller communicates on the WaveLinx wired network.

WaveLinx Area Controllers (WAC) and WaveLinx Ethernet Gateways (EG2) communicate with WaveLinx CORE over the Ethernet network.

Please refer to the WaveLinx PRO Wireless Network and IT Guidance Technical Guide and WaveLinx Wired Network and IT Guidance Technical Guide for more information.

### Control Systems

- WaveLinx
- WaveLinx wired
- VividTune

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Specifications and dimensions subject to change without notice.

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