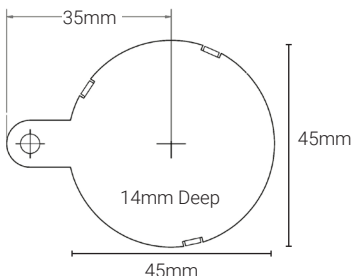## Introduction

The UIM (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 iLight system.

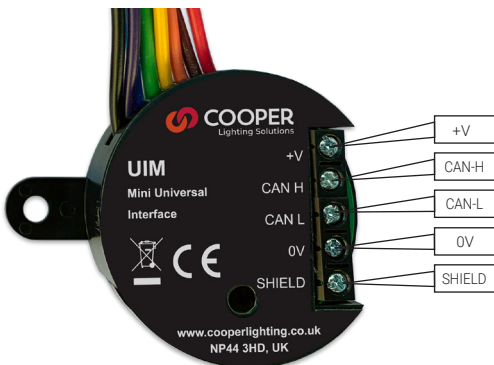## Dimensions

35mm

45mm

14mm Deep

45mm

Installation

The unit is ideally suited for push button or rocker switch control and can be installed directly within the back box or in any dry location, where ambient temperature and humidity are within the operating limits of the unit.

Warning

Since this is device is classed as SELV, segregation in accordance with local wiring regulations must be maintained.

Network Connection

iCAN network connections are made via the screw terminal block. The block has a 1.5mm^2 cable capacity and is labelled as follows:

Function	iCANnet Cable Colours
0V	Black
CAN L	Blue
Shield	Silver
CAN H	White
+VDC	Red

Maximum segment distance: 500m (1640 ft)
Devices per segment: 100 (without bridge or repeater)
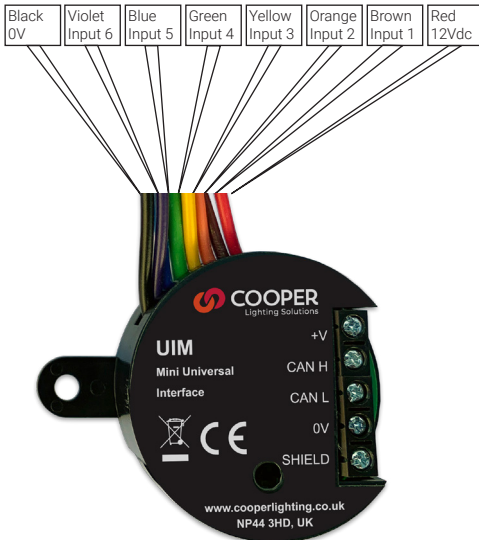Additional power supplies may be required. Consult iLight for information on alternative cable types.

IMPORTANT NOTE: Connecting a mains potential cable to the iCAN Network terminals is likley to damage the unit and other devices connected, and invalidate warranty.

Network Power Requirements
Nominal operating voltage: 15V (12-18V)
Nominal operating current: 30mA

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Input Connections

Input connections are made via the 8 x 20cm coloured cables. It is not recommended to extend these input cables.

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

Analogue Mode Input

Supply: +12Vdc 50mA MAX

Input Range: 0V to +10Vdc

Input Impedance: 100KΩ

Resolution: 8 bit (0-255)

Digital Mode Input

Volt free contacts using a 47KΩ pull-up resistor to +5V

PE Cell Mode Input

(Variable Resistor to 0V)

Resolution: 8 bit (0-255)

Midpoint achieved with 94KΩ load

Environmental Data

Temperature Range: 0 to 50°C

Humidity: 90% non condensing

Pollution Category: 3