



DEXTRA WIRELESS SOLUTIONS

AN INTRODUCTION TO DEXTRA WIRELESS SOLUTIONS

Luminaire controls provide a wide range of benefits to end users, improving energy consumption and return on investment as well providing improved flexibility and control with fault reporting, energy consumption monitoring and emergency testing.

In retrofit applications where cabling can not accommodate the necessary BUS wiring the cost of installing such as system can be prohibitive.

Dextra wireless solutions now allow a full range of control options using wireless data transmission eliminating the need to install additional wiring that would be required for a traditional DALI installation.

With two levels of system available, either Eyenut or Easysense, the functionality of your system can be selected to best meet the needs of your application allowing a wide range of luminaire control with luminaires only requiring a live, earth and neutral wiring connection and no need to modify your cabling installation.

Dextra wireless solutions can be installed in a wide range of luminaires from our range, please discuss your needs with our sales team who will be happy to help find the correct controls solution and product type for your project.



DEXTRA WIRELESS EYENUT SOLUTION

The Eyenut Wireless Solution provides maximum flexibility and control with a system that can be scaled to the largest of installations.

With a wireless module integral to each luminaire linked via a mesh network each luminaire is linked to a gateway which can support up to 500 devices with no limit to the number of gateways installed on any installation. This gateway connects to a cloud based server through which your luminaires can be configured and controlled with great flexibility including the following features:



Centralised control of multiple installations



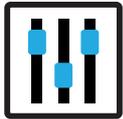
Wireless connectivity suits retrofit applications



Simple Graphical User Interface



Passive infrared Motion and absence detection



Easily adjusted automated lighting profiles



Full emergency autotest system with fault reporting

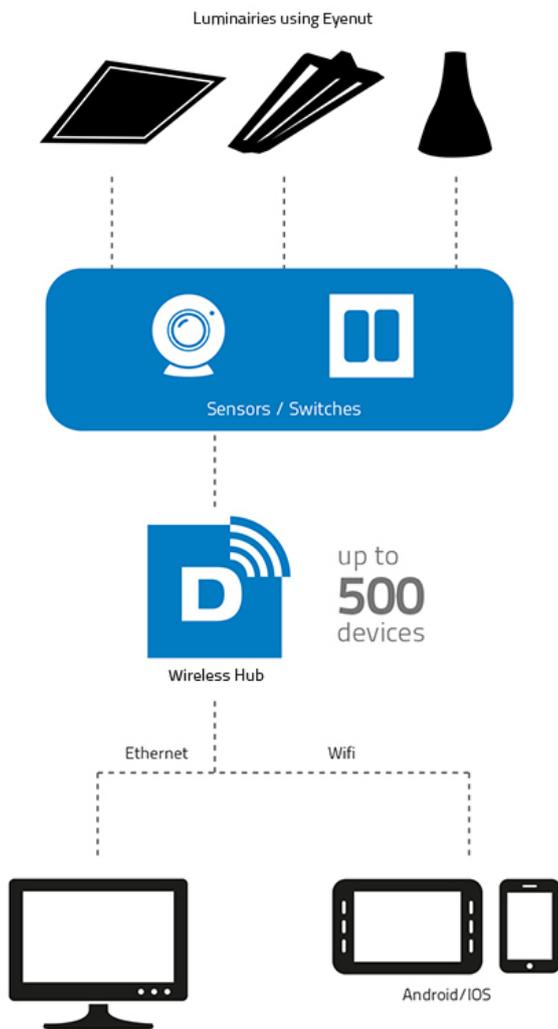


Easily extended system



Allows users to upload floor plan images

“With a wireless module integral to each luminaire linked via a mesh network each luminaire is linked to a gateway which **can support up to 500 devices** with no limit to the number of gateways installed on any installation”



- > Every luminaire, emergency luminaire and control device from wall switch to sensor is visible on the cloud as a configurable and controllable device.
- > A graphical depiction of your floor plan allows each device to be selected and controlled.
- > Each emergency device can be remotely tested and automatic tests configured and any failures automatically reported.
- > Energy consumption can be monitored across your installation.
- > The mains operation of luminaires is monitored and faults automatically reported allowing repairs and maintenance to be rapidly arranged.
- > Features such as solar clock allow automatic dusk to dawn operation adjusted to daylight hours depending on your geographical location and time of year
- > Complete flexibility of grouping and control of luminaires and devices allowing luminaires to be operated from any sensor or switch in the configuration required and can also be quickly and simply modified should the layout or use of an area change.
- > Dedicated technical support to assist with operation of your system and to provide software updates on release.

DEXTRA WIRELESS EYENUT SOLUTION

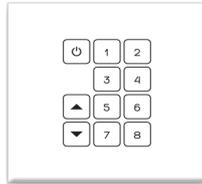
Wireless EyeNut Controls

The Dextra Wireless EyeNut system is available with a wide range of compatible controls including sensors and wall switches, all of which can be addressed and controlled via the EyeNut cloud.



EyeNut Sensor

Allows occupancy as well as daylight and corridor linking functions to be easily applied to EyeNut enabled luminaires.



EyeNut Capacitive Touch Wall Switch

The EyeNut capacitive touch wall switch allows control of EyeNut lighting installations from traditional wall switch locations.



EyeNut Battery Powered Switch

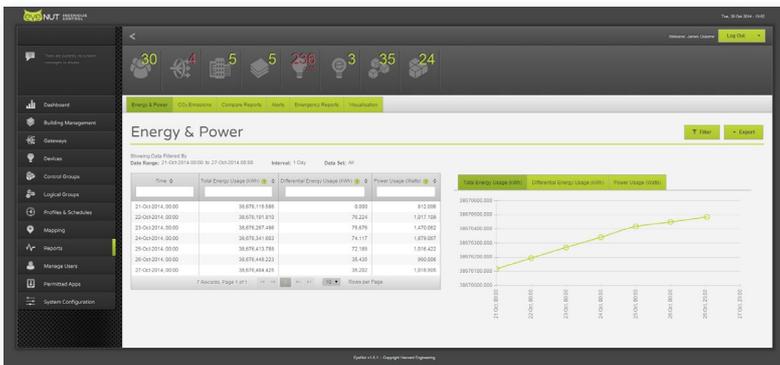
The EyeNut battery powered wall switch allows control of EyeNut lighting installations from traditional wall switch locations.



Wireless EyeNut Data Logging

The Dextra Wireless EyeNut system offers a wide range of data logging to allow you to maximise your energy savings and to ensure that your automated emergency tests are fully recorded eliminating the substantial administration costs associated with manual emergency testing and recording.

- > Record all energy usage and savings made over previous lighting installations
- > Record all emergency testing, both functional tests and annual duration tests as well as any test failures and rectifications
- > Record sensor activations to log foot fall to allow you to optimise energy savings depending on area usage.



DEXTRA WIRELESS EASYAIR SOLUTION

The Easyair Wireless Solution provides an integral sensor per luminaire with both infrared and wireless connectivity.

The infrared system is used to commission luminaires using a mobile phone app to adjust sensor settings and to set groups of luminaires. When grouped together all luminaires within that group communicate via wireless to trigger and respond to daylight and motion simultaneously.

This solution is ideal for open plan offices where luminaires can be grouped to ensure adequate light levels above workers in areas that aren't fully occupied or in corridors where the entire corridor can be fully lit from motion at a number of entrance points, the Easyair wireless system allows for flexible lighting control without the associated component and commissioning cost of a complete control system.



DEXTRA WIRELESS MICAS SOLUTION

The Micas Wireless system offers similar benefits to the Easyair Wireless sensor, however is designed to be incorporated into sealed luminaires where a microwave sensor is required to maintain the IP rating of the luminaire.

The Micas wireless sensor incorporates both a photocell and microwave presence detection system enabling the sensor to respond to changes in both daylight and motion. Each sensor incorporates a wireless transmitter and receiver that allows it to communicate with other sensors up to a range of 10M. This system is supplied complete with an easy to use app suitable for use on tablets and mobile phones that allows the sensor settings to be configured, and also to link the sensors together so that if any one sensor is triggered the other luminaires in the same group will also be activated. The Micas Wireless system also comes complete with a range of features such as statistical reporting allowing the operating hours of luminaires, switching cycles and power consumption to be logged.

By using a bluetooth commissioning system the sensors can be set up very quickly and simply as only the luminaires in the immediate proximity of the commissioner will be communicable allowing sensors to be grouped far faster than is possible with a traditional DALI system.

As with all Dextra Wireless systems no BUS wiring is required for the installation of these luminaires, they only need to be connected with live, earth and neutral connections therefore allowing a fully linked sensor system to be installed without the associated cost of including BUS wiring.

