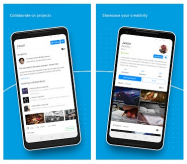
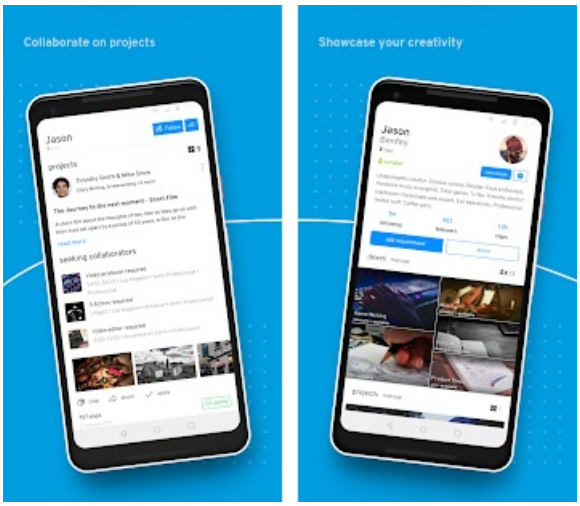


Dextra Reacta Link Wireless App User Guide

Contents

Dextra Reacta Link Wireless App



Reacta Wireless combines simplicity with control

By choosing a wireless system you can reduce installation time and cost and simultaneously implement a connected lighting control system offering everything from linked sensor control through to a full lighting management solution. Reductions in energy usage, emergency testing and installation costs can be made without the expense and inconvenience of installing a wired BUS system throughout your site.

Reacta Wireless is available in a range of tiers, from a web based full lighting management and emergency testing system through to more simplistic linked sensor and wall switch operation, Reacta Wireless can offer a solution to meet your needs at all levels.

The Reacta Wireless range incorporates three separate systems.
Reacta-Link is used for internet based reporting of every aspect of your installation across multiple sites including energy, faults and emergency reporting amongst others. Where more basic linked sensor operation is required Reacta-Air is used for internal IP20 applications and Reacta-Wave is used for IP65 applications.

REACTA-CONTROL	REACTA-LINK	REACTA-AIR	REACTA-WAVE
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	N
Y	Y	N	N
N	Y	N	N
N	Y	N	N
Y	Y	N	N
Y	Y	N	N
Y	Y	N	N
Y	Y	N	N
N	Y (optional extra)	N	N
N	Y	Y	Y
N	Y	Y	Y
Y	N	N	N

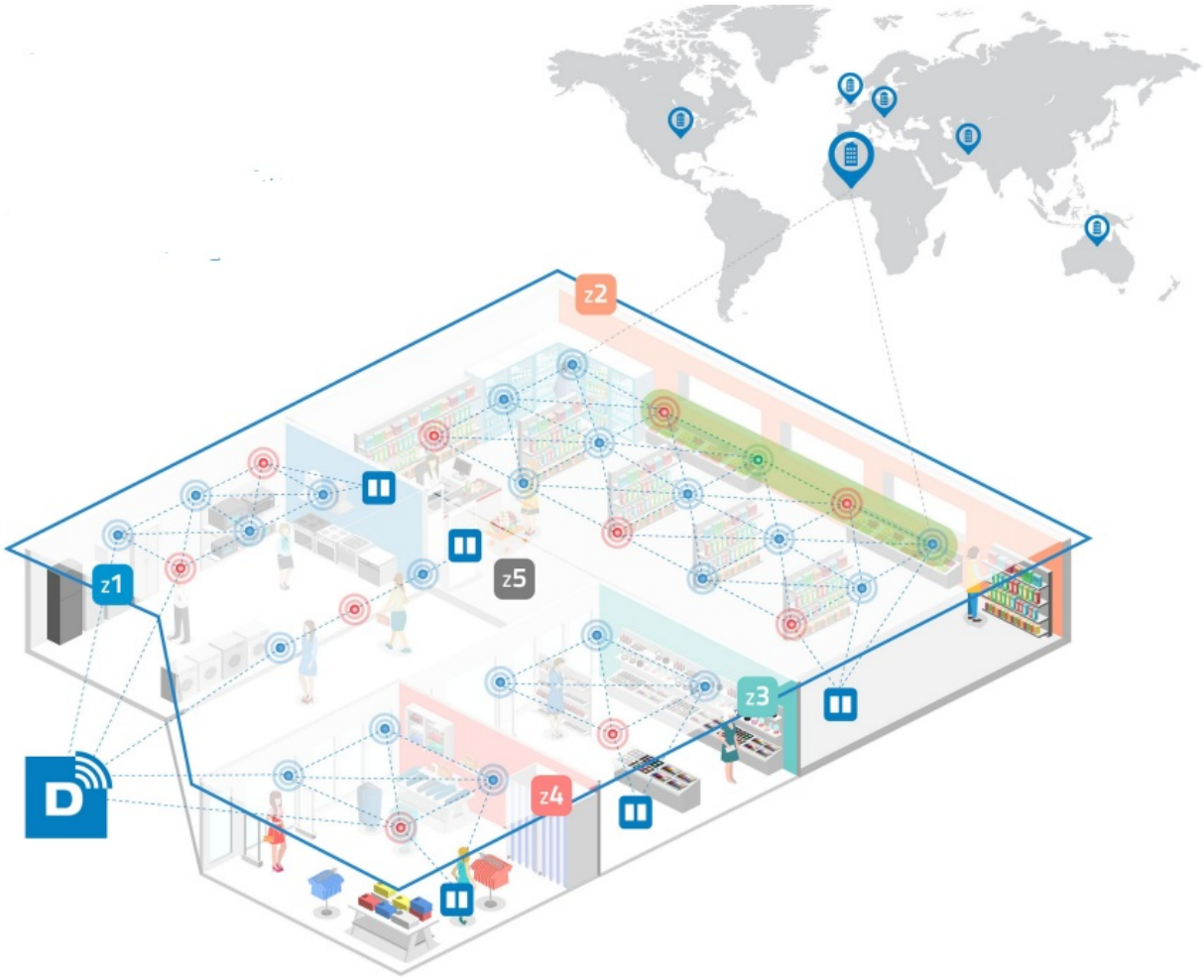
OPERATION

Presence detection
Daylight regulation
Grouped mains operation Wireless wall switching White tunable
Local Control Key Fob
Local Control Mobile App

REPORTING: Mains fault reporting Energy reporting Heat mapping Emergency Reporting Central Battery Reporting
OTHERS: Multiple Site internet based control Building drawing upload for graphical interface Individual Site PC based control

REACTA-LINK

Reacta-Link is a full multi site lighting management system to manage every aspect of an installation at multiple sites globally from a single location through any internet enabled device.



- **Luminaire:** RLI Wireless Connection or RLS Wireless Connection and Integral Presence Sensor

- **Emergency:** STR
- **Daylight Sensor:** RLS

- **Switches:** RLW
- **Reacta-Link Hub:** RLI HUB

- Group your luminaires and control devices in any configuration required, any sensor or wireless wall switch can be wirelessly linked to control any luminaire on the installation.
- Use a single daylight enabled sensor in one luminaire to wirelessly daylight regulate all other luminaires in the same group.
- Battery powered wireless wall switches eliminate the need to run power feeds down walls, simply mount them on the wall and group them to the required luminaires, significantly reducing installation costs.
- Quick and simple adjustment of groups.
  In the event of a change of use of an area or building layout sensors and wall switches can be regrouped without the need to adjust wiring.
- Central reporting of emergency failures allows compliance to BS 5266 without the cost of manual testing on site providing a rapid
  return on investment over standard emergency installations. Please note that emergency test times can not be

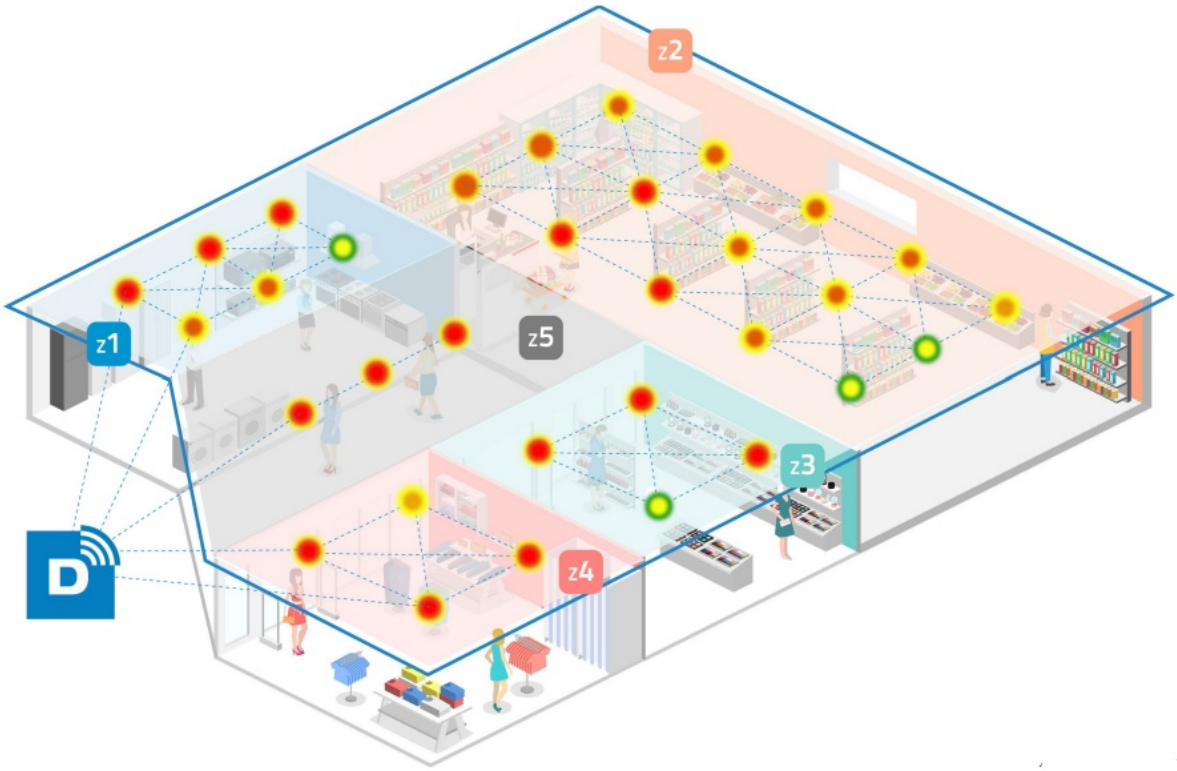
scheduled, and require an

RLI Hub with internet connection to enable reporting.

- Central reporting of mains luminaire failures allows prompt and effective maintenance to be undertaken.

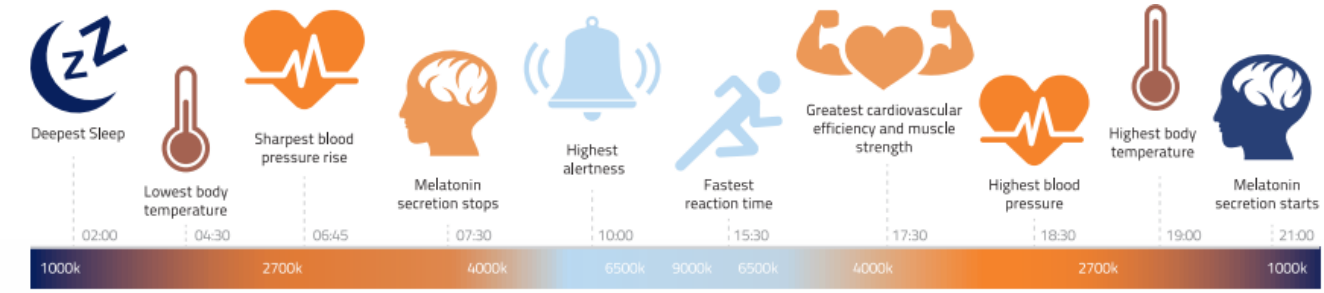
HEAT MAPPING

Monitor your installation hour by hour, day by day, to better understand the movements of your staff and customers allowing you to optimise store layouts or maximise area usage increasing sales or reducing the operating costs of buildings. Reacta-Link allows you to heatmap your installation by energy, occupancy, and utilisation to allow monitoring of footfall, luminaire on time and energy usage.



- Ideal for schools and universities, understand the occupancy levels of each lecture hall and classroom allowing under utilised spaces to be identified and classes moved to smaller rooms thereby reducing running costs.
- Allows facilities managers to determine how to move staff to use space to best effect and close areas of buildings with low levels of occupancy.
- Retailers can quickly and easily gain

  an understanding of the movements of customers around the store identifying successful promotions and displays, identify high footfall areas for premium promotions, and locate store areas where footfall is poor and customer interest needs to be stimulated.



CENTRAL BATTERY

Reacta-Link offers wireless compatibility with locally switched central battery systems allowing you to centrally monitor the status of your emergency luminaires for driver or LED failures.

- Minimise the cost of maintaining your emergency lighting system with automated testing of emergency luminaires.
- Centralised off site storage of all emergency failure reports ensuring compliance with BS 5266.

WHITE TUNABLE

Reacta-Link is available with DT8 twin channel white tunable functionality allowing adjustment of colour temperatures through the day.

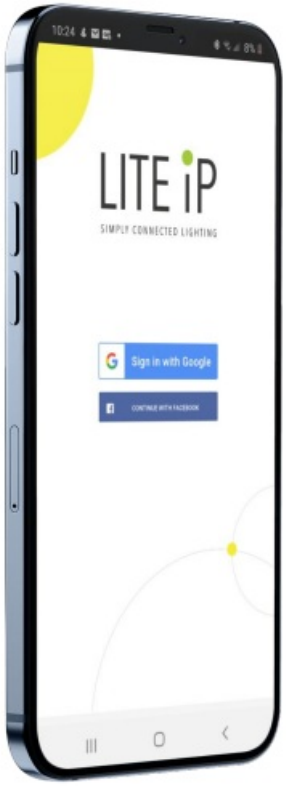
- Use the Reacta-Link web portal to set and adjust colour changes automatically over the course of a day.
- Simulate the colour temperatures of natural daylight to enhance well being for employees and customers.
- Use colour temperatures to enhance your environment, warm colour temperatures can be used to create an inviting and comforting atmosphere while cooler colour temperatures can enhance areas where a clean and sterile appearance is required.
- Click here for more white tunable information.

KEY FOB

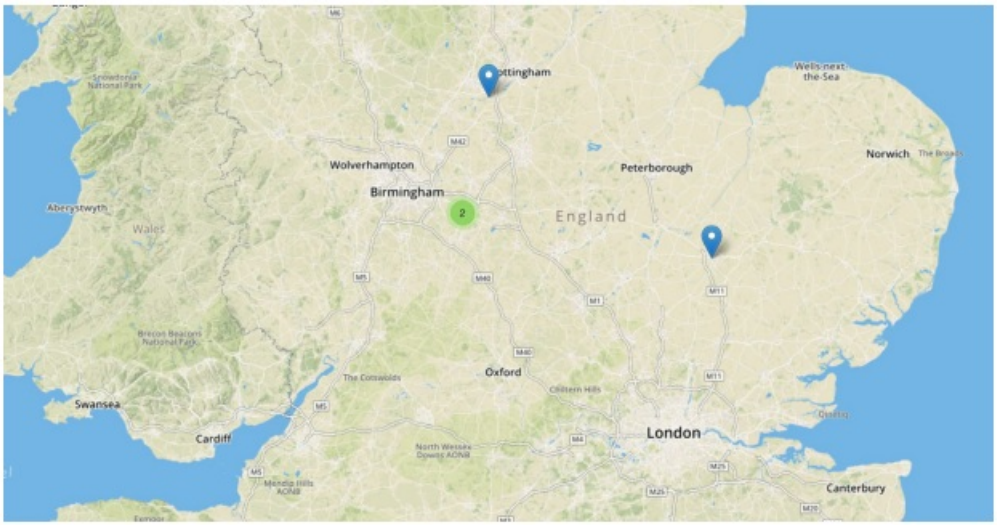
Where local control of luminaires is required the key fob provides a small and simple solution allowing luminaires to be scene controlled, ideal for classrooms and lectern applications where adjustment of lighting to new scenes is required without the presenter moving to a wall switch.

MOBILE APP

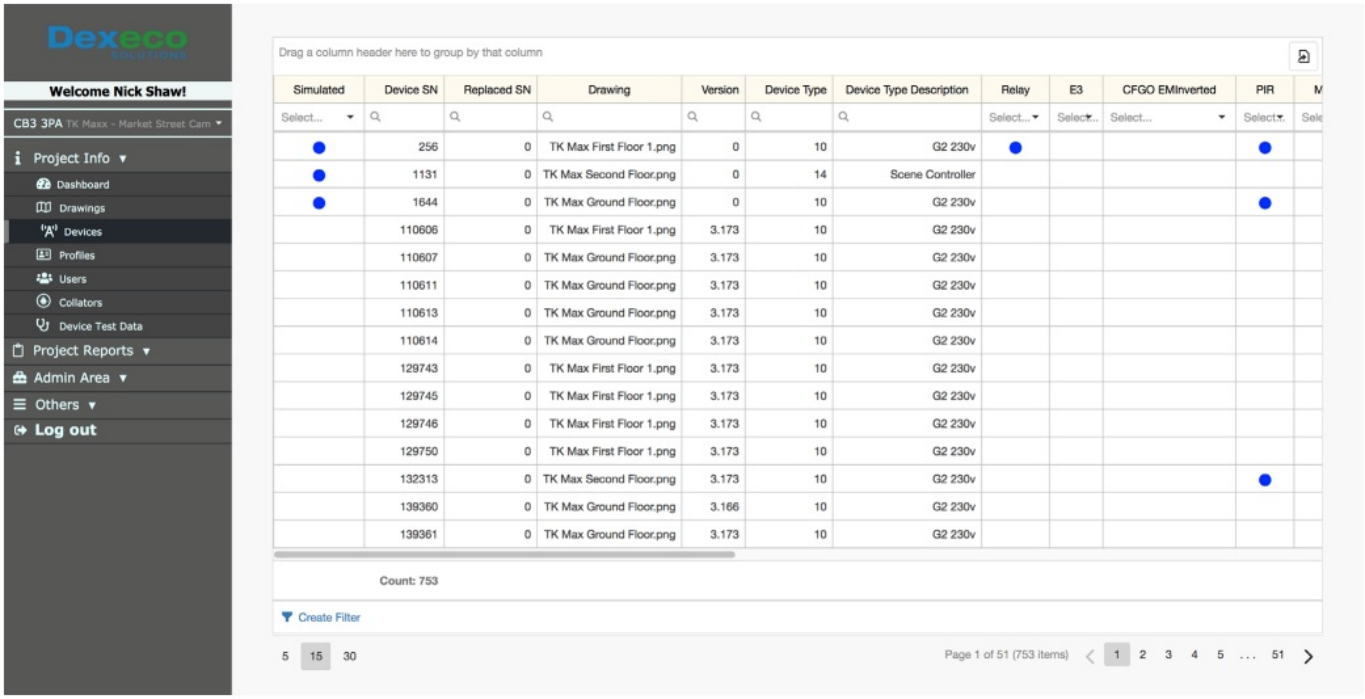
The mobile app allows any permitted user to adjust scenes within a room without the need for a wall switch or key fob.



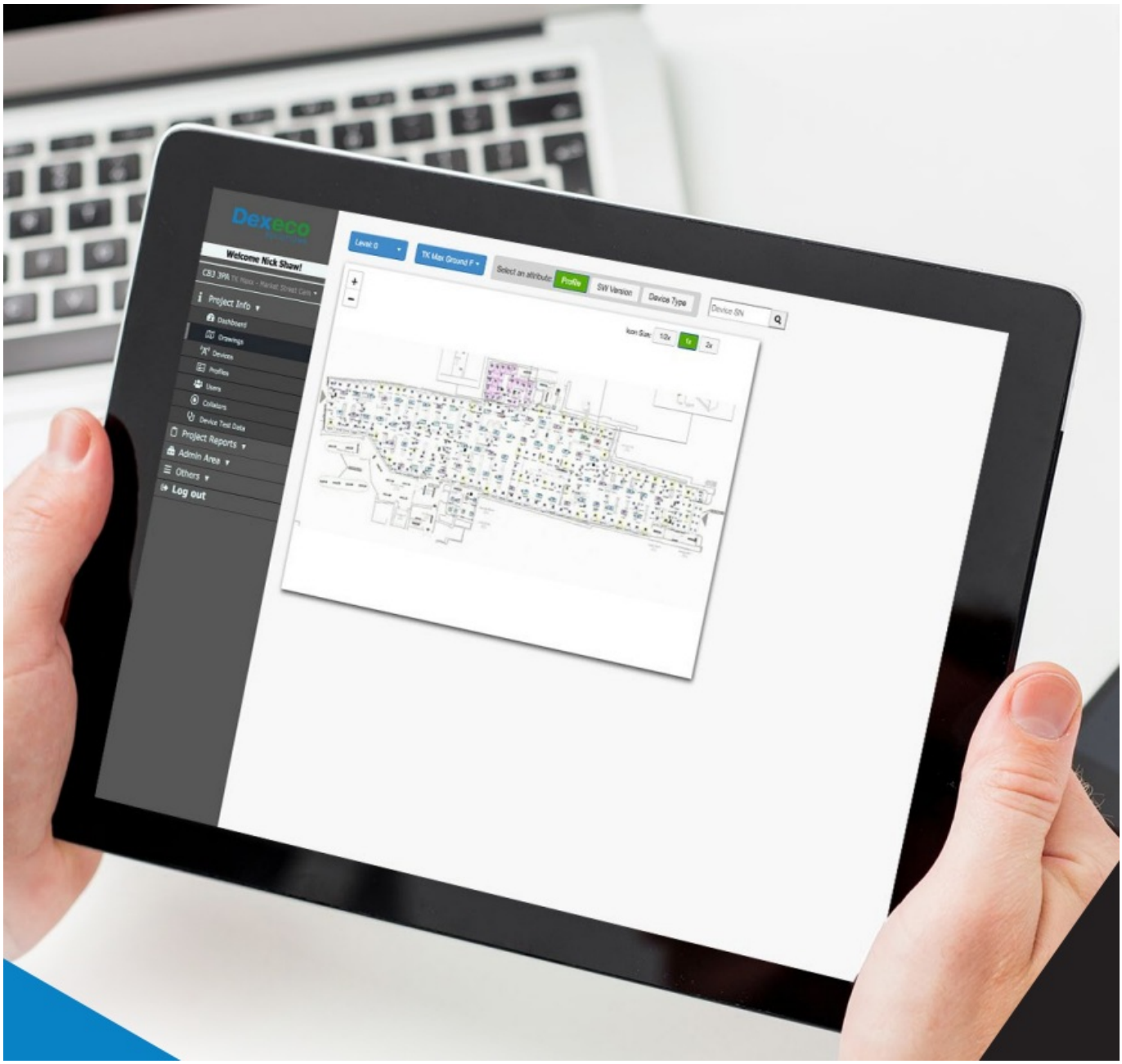
The global map overview allows you to select any of your installations anywhere in the world and manage your lighting remotely from any web enabled device.



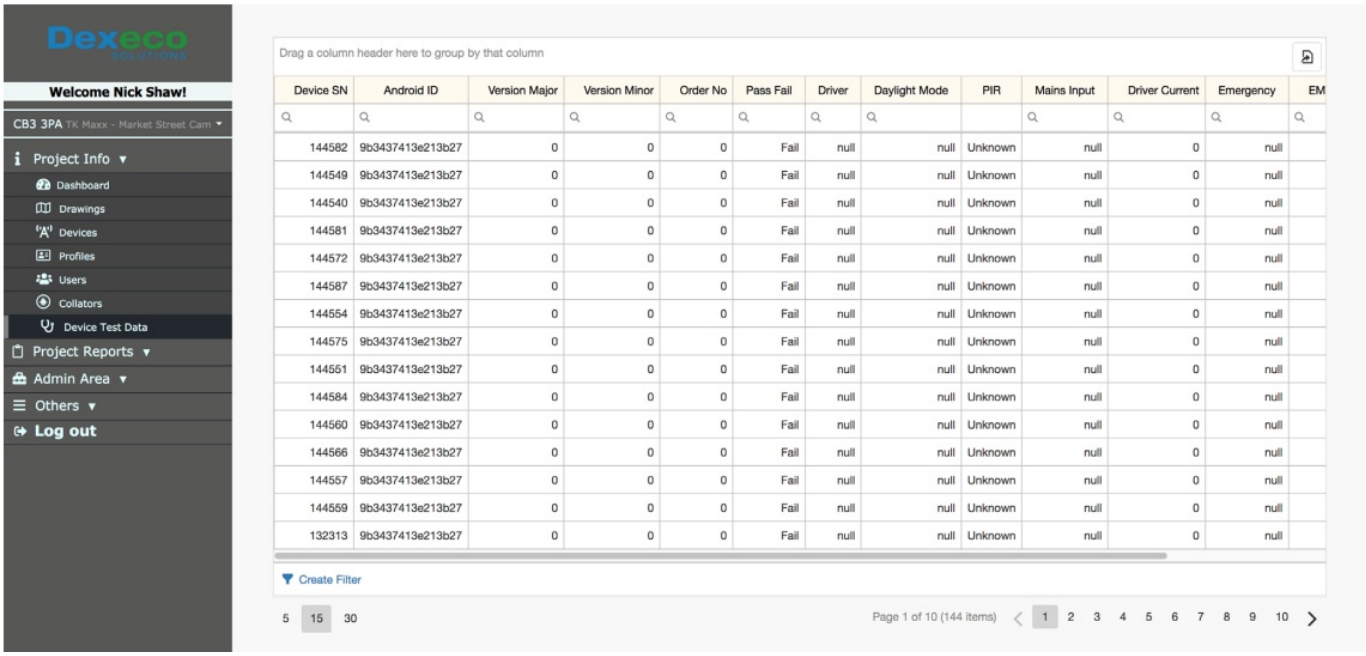
Dashboard overview provides user friendly and accessible summary of your installation.



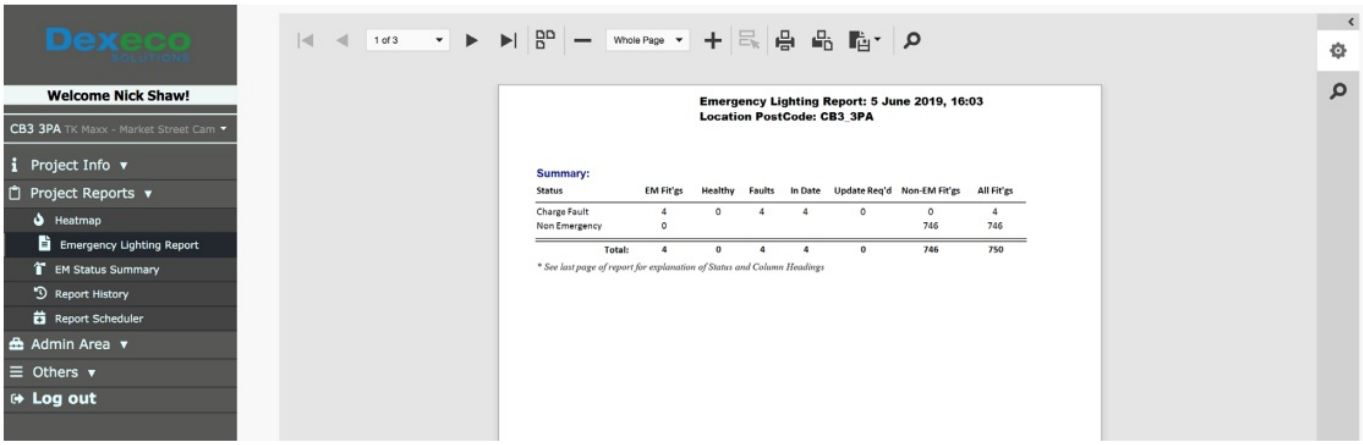
Remotely view settings such as time delays, fade rates and lux levels amongst many others.



Upload drawings to provide a user friendly graphical interface to manage your lighting and direct engineers to undertake repairs quickly and accurately, with the correct replacement parts.



Access reports for the status of each device on site for luminaires, emergency, sensors and switches.



Access the last emergency test undertaken to identify any failures enabling urgent rectification.

- Energy graphs showing trends in energy usage over varying time scales and at individual drawing or site levels.
- Individual luminaire energy consumption data.
- Energy, utilisation and occupancy heat maps allow area usage to be monitored and energy saving potential to be identified.

Why Reacta-Link

- Install a DALI system at reduced cost, there is no need to install DALI cabling, power supplies or routers and wall switches are entirely wireless.
- The installation of a wireless network throughout your building brings the potential to integrate with other systems with appropriate connecting software.
- Automate your emergency testing without the need to install a full wired DALI system eliminating the cost of manual testing,

  Reacta-Link can be installed as an emergency only system where controls of mains luminaires is not required.
- There are no annual maintenance fees to operate the Reacta-Link system, only the initial purchase price and commissioning cost.

What do I need to consider with regards to signal strength and wireless communication
The mesh networking system should provide reliable communication in most instances, however it is important to consider factors such as the fabric of the building , the luminaire design and luminaire spaces.

What is involved in commissioning and set up
Commissioning of installations is typically provided by Dextra by our team of experienced commissioning engineers.

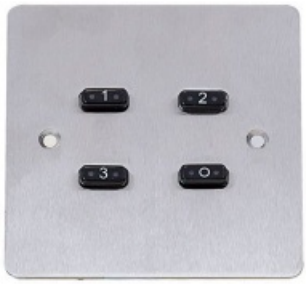
What happens in the event of internet failures
Should the internet connection on an installation fail the luminaires on site will continue to operate normally and users on site should see no interruption at all. It will not be possible however to log into the website and collect any energy, heat mapping or emergency test data from

that installation until the internet connection is restored. The Reacta-Link hub can be connected to the internet via a 4G dongle if needed to overcome these issues in case of a long term disconnection.

How secure is my wireless installation
Various security measures are in place to minimise the risk of your system being compromised, full details are available on request.

- **RLS:** Reacta Link wireless sensor Max height 6M
- **RLI:** Reacta-Link D4i Wireless module
- **STR:** Reacta Link wireless emergency


- **RLI HUB:** Reacta Link Hub
- **RLW:** Battery powered wireless wall switch

- **PH:** Reacta-Link daylight sensor, available in standalone, integral and look up variants
- **RLKF:** Reacta-Link Key Fob


www.dextragroup.co.uk

Documents / Resources

	Dextra Reacta Link Wireless App [pdf] User Guide Reacta Link Wireless App, Reacta, Link Wireless App, Wireless App

References

- Dextra Group - Dextra Group