REACTA WIRELESS

REACTA-WAVE

Dextra
GROUP PLC

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.

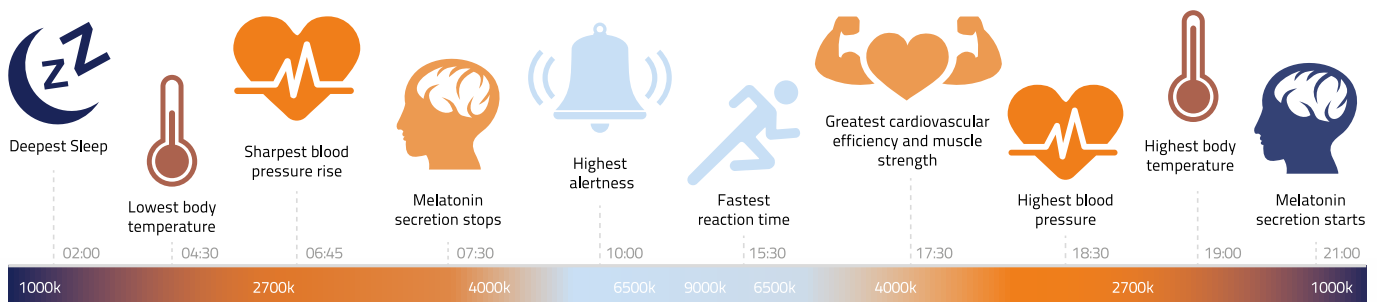|	REACTA-CONTROL	REACTA-LINK	REACTA-AIR	REACTA-WAVE
OPERATION				
Presence detection	Y	Y	Y	Y
Daylight regulation	Y	Y	Y	Y
Grouped mains operation	Y	Y	Y	Y
Wireless wall switching	Y	Y	Y	N
White tunable	Y	Y	N	N
Local Control Key Fob	N	Y	N	N
Local Control Mobile App	Y	Y	N	N
REPORTING				
Mains fault reporting	Y	Y	N	N
Energy reporting	Y	Y	N	N
Heat mapping	Y	Y	N	N
Emergency Reporting	Y	Y	N	N
Central Battery Reporting	N	Y (optional extra)	N	N
OTHERS				
Multiple Site internet based control	N	Y	N	N
Building drawing upload for graphical interface	N	Y	N	N
Individual Site PC based control	Y	N	N	N
Integration with Wired DALI	Y	N	N	N
Interior & External	Y	Y	N	Y

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.
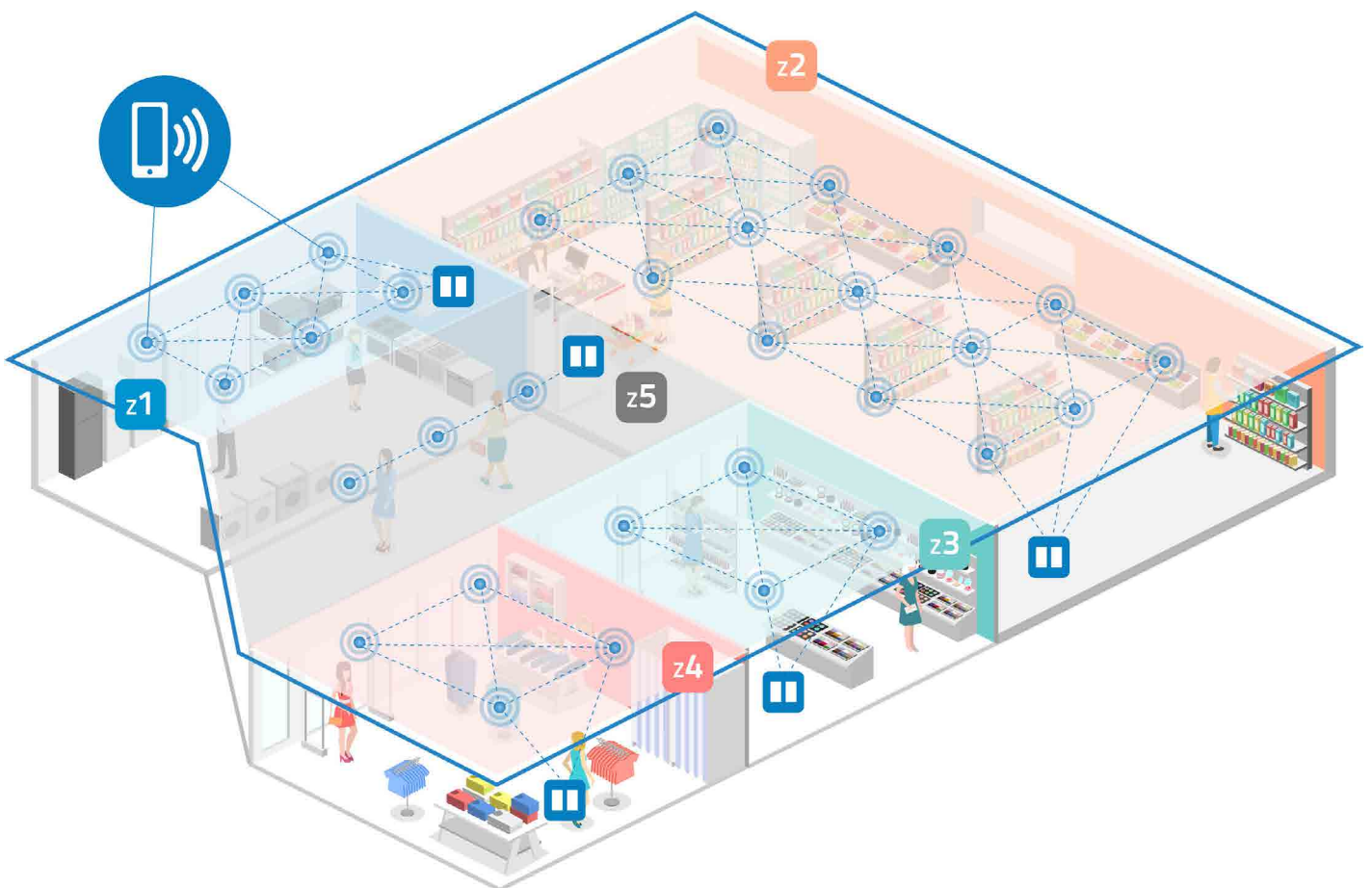
- Use the Reacta-Link web portal to set and adjust colour changes automatically over the course of a day.

- 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.

Deepest Sleep		Sharpest blood pressure rise		Highest alertness			Greatest cardiovascular efficiency and muscle strength			Highest body temperature	
	Lowest body temperature		Melatonin secretion stops		Fastest reaction time				Highest blood pressure		Melatonin secretion starts
02:00	04:30	06:45	07:30	10:00	15:30		17:30		18:30	19:00	21:00
1000k	2700k	4000k	6500k	9000k	6500k	4000k		2700k			1000k

Whilst Reacta-Link offers a full multi-site management system, often clients require a more basic approach where luminaires, sensors and switches can be linked together without the cost and expense that is incurred with the installation of a wired system. In these instances Reacta-Air and Reacta-Wave offer the optimal solution.

In internal applications the Reacta-Air system offers an IP20 solution ideal for schools, hospitals, offices and universities amongst many others, whilst Reatca-Wave is suited to IP65 installations such as external, industrial, multi storey car parks and internal amenity applications such as corridors and stairways.

As with Reacta-Link these systems offer simplicity and control, mobile based commissioning allows quick and user friendly grouping of luminaires and wireless wall switches without incurring the expense to install DALI cabling, routers and power supplies or commissioning.

REACTA-WAVE

- Up to 100 sensors in any one group.

- Group sensors for combined operation, any sensor activation within the group will bring all luminaire in that group to full output.

- Commissioning is undertaken through either a mobile phone or tablet using bluetooth, Apple compatible.

- Adjust all parameters through your mobile device enabling simple adjustment to settings without the need to employ commissioning specialists.

- Simple adjustment of groups should a building layout or usage change.

- When commissioning your installation the devices will be permanently linked to the mobile device used. When completed it is important to create a backup file of your settings through the Micas Autolight app, this enables access rights to be granted to other devices through a password protected system and ensures that your sensors can still be adjusted in the event that the original commissioning device is lost or damaged.

- Ideal for areas where IP65 luminaires are in use such as industry, car parks, external applications and internal amenity applications such as corridors and stairways.

REACTA-WAVE FUNCTIONS

Sensitivity
Adjust the detection range of your sensors.

Hold time
The amount of time the luminaire remains at full output after the last seen motion.

Lux Level
Determines the light level that the sensor will maintain.

Dim
Adjust the fade to off time

Dim On
Adjust the fade to on time

Program Mode
Permanent: Remains continuously at the low level during absence.
Corridor: After the Hold Time expires the luminaire will turn off after the same time period spent at the dimmed level.
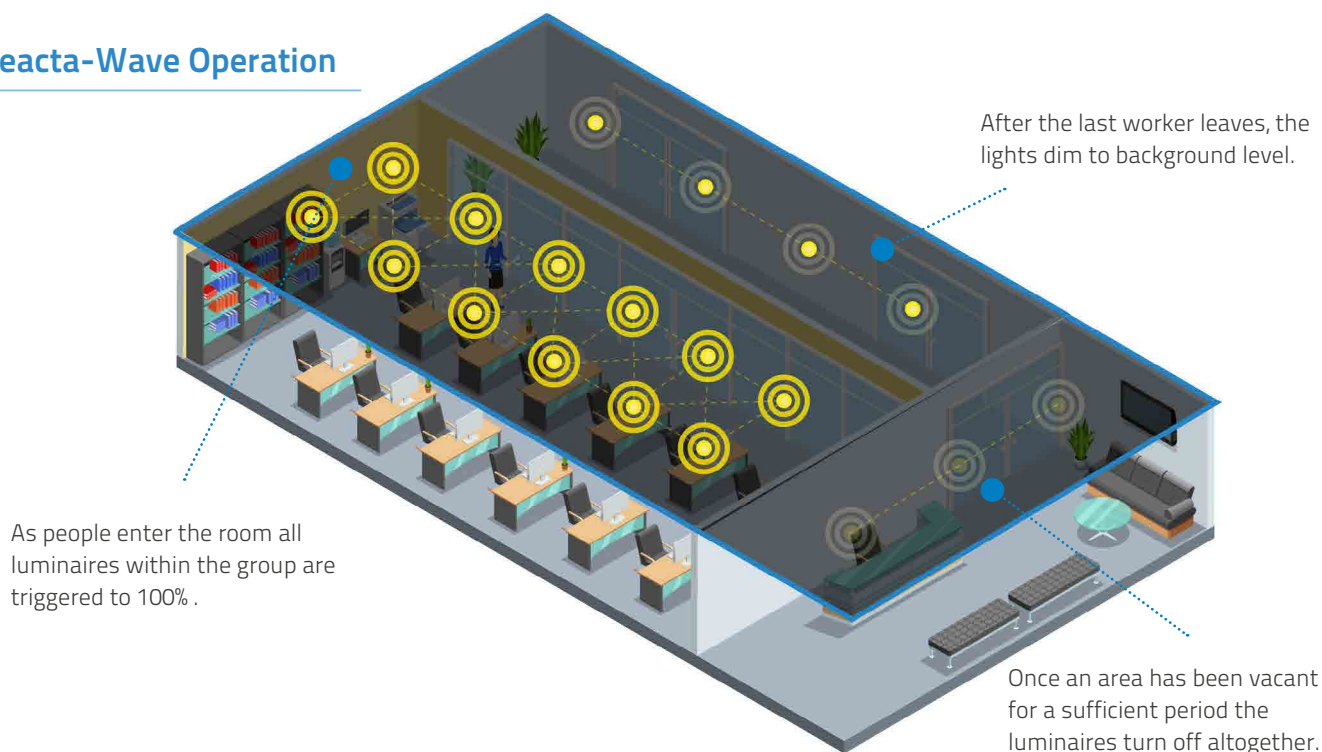On / Off: Simply turns on/ off with no time at low level.

REACTA-WAVE

Configure your Reacta-Wave installation for grouped operations of sensors and luminaires.

Reacta-Wave Operation

After the last worker leaves, the lights dim to background level.

As people enter the room all luminaires within the group are triggered to 100% .

Once an area has been vacant for a sufficient period the luminaires turn off altogether.

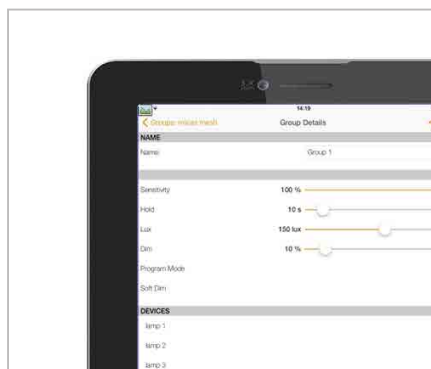## REACTA-WAVE COMPONENT CODES

R25W
Reacta-Wave Microwave Sensor Dimmable
Max Height 4M

R25WE
Reacta-Wave Microwave Sensor On / Off
Max Height 4M

REACTA-WAVE APP
Apple bluetooth enabled device is required for commissioning.

Download on the App Store

📄 APP USER MANUAL