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Air Control
Simplified wireless lighting control

Simplified Wireless Lighting Control

Air Control offers a simple, easy commission solution bringing wireless control to areas with higher ceilings such as entrance atria, stairwells or retail and hospitality areas. Air Control can be integrated into a luminaire, allowing groups to be created and controlled from a simple wall plate or mobile app.

High performance mesh networking technology

Air Control is an advanced lighting control solution based on low power 2.4Ghz wireless technology, and the only low power wireless technology in all modern smartphones, tablets and even smart watches, making it the only mainstream and future proof low power radio technology in the world.

Air Control technology provides a mesh network where all the intelligence of the system is replicated in every node.
These self-organising wireless mesh networks can control a large number of luminaires from any point so if any individual luminaire is removed or reconfigured, the lighting control keeps working.
Air Control equipped luminaires are smart on their own and only connect when needed, an internet connection is not necessary for normal operation.

Air Control functionality

- Switch and dim individual luminaires
- Create groups of luminaires and switch or dim as one
- Create and recall lighting scenes
- Adjust colour temperature on tunable white luminaires
- Assign time schedules to individual or groups of luminaires
- Support remotely via a wireless Gateway on a smart device

Air Control simplicity

Air Control offers a big variety of lighting interaction possibilities depending on the user's individual requirements. The free to download app for smartphones, tablets and smartwatches is the most elaborated user interface and works with iOS as well as Android devices. Besides the app, push buttons or scene controllers can be used.

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Air Control in Action

Daylight Sensing

This control solution allows dimming of artificial lighting when daylight is available for achieving maximum lighting quality and reduced energy consumption. Daylight sensors measure the illuminance and report the lux values to the network, which dim appropriate luminaires accordingly.

Occupancy Sensing

Air Control supports movement sensors for both absence and presence detection. Motion sensors can be used to save energy and only to have lighting on when it is actually needed.

Scene Setting

Different lighting situations for different occasions can be created. It is possible to control multiple luminaires with one tap to create the perfect ambience for different occasions and needs. One luminaire can be used in several scenes.

Tunable White Control

Air Control offers comprehensive colour temperature control. Users can simply change the colour temperature of any tunable white luminaire just by sliding the finger on top of a luminaire icon in the app.

Circulation and Transition Spaces

In circulation spaces, Air Control allows you to maintain set levels of illuminance during occupied periods, and reduced illumination levels when no presence is detected. This gives you the flexibility to deliver continuous low level lighting for assured comfort and safety, and maintain the building aesthetic during unoccupied periods. In receptions, you can create a welcoming daytime ambience, and a pleasing night-time appearance. Corridors can maintain light levels during occupied period only, reducing when no presence is detected to reduce overall energy consumption.

Meeting and Social Spaces

Air Control can be used in meeting and social spaces to create flexible, localised scenes for any application. Pre-configured scenes can be recalled at the touch of a scene plate, allowing the space to accommodate a variety of tasks and activities. Day to day operation is effortless, and scenes can be individually adjusted by any user via the app.

Parking Areas

Using Air Control in parking areas allows you to achieve much lower operating costs, whilst enhancing safety and security. Lighting can automatically adjust to accommodate both vehicular or pedestrian traffic, as well as automatically detecting daylight.

The Air Control System

PIR detectors

Product description	Maximum detection range	Optimum mounting height	Order code
Recessed mains powered wireless absence / presence 360° detector with regulating photocell.	7m diameter	2.4m to 5m	ACONRECPIR
Surface mounted mains powered wireless absence / presence 360° detector with regulating photocell.	7m diameter	2.4m to 5m	ACONSURPIR
Directional long range plug in mains powered wireless absence / presence 360° detector with regulating photocell. Requires ACONSOCK to enable surface mounting.	25m diameter	2.2m to 3m	ACONLRPIR
Surface mounted circular socket for plug-in wireless PIR detector. Required for ACONLRPIR to enable surface mounting.	•	•	ACONSOCK
High bay spot surface mounted mains powered wireless absence / presence 360° detector with regulating photocell.	5m diameter	20m	ACONHBSPIR
High bay wide surface mounted mains powered wireless absence / presence 360° detector with regulating photocell.	28m diameter	14m	ACONHBWPIR

Wall control

Product description	Maximum detection range	Optimum mounting height	Order code
Wireless user scene plate with flexible mounting possibilities for direct access to Air Control Low Power 2.4Ghz wireless lighting control system functionalities.	•	•	ACONWS
4 Channel push button switch interface for use in Air Control Low Power 2.4Ghz wireless lighting control system.	•	•	ACONSIU

Luminaire Control Modules

For wireless control of DALI or Fixed Output luminaires, modules can be integrated or supplied as a remote housing unit for on-site installation.

Remote Housing Unit for Fixed Output luminaires (20A relay for up to 200W)	ACONHCU
Remote Housing Unit for DALI luminaires (1 module per luminaire)	ACONYCU

Typical Air Control Enabled Luminaires

Circulation and transitory spaces

Avenue Metro   **Duo 3**   **Kolo**   **Mirage LED**

Meeting and social spaces

Oculus   **Bayon**   **Lance**   **Echo 280 LED**

Utility and industrial spaces

ACL Industry   **Aerial Family**   **Harrier**   **Powerbay**