

Dialight's Stand-Alone Wireless Occupancy Sensors Deliver Maximum Flexibility, Control & Efficiency for Smart LED Lighting Systems

Cordless, Plug-and-Play Sensors Install in Any Location to Control Single Fixture or Lighting Group for Maximum Energy Savings

Dialight, the innovative global leader in [LED lighting technology](#) for industrial applications, today unveiled its new wireless occupancy sensor, a unique battery-powered plug-and-play sensor that speeds and simplifies installation to provide maximum lighting control flexibility and energy savings in industrial applications.

Designed to integrate seamlessly with any Dialight smart lighting system, the new wireless sensor can be placed virtually anywhere within a facility, without the need to install or move cabling, for nearly unlimited lighting control options. A single sensor can be programmed to control multiple lights and groups of lights, eliminating the need to install a sensor on every light.

Using Pyroelectric InfraRed (PIR) technology, each sensor can instantly switch a single light or a group of lights from off to on or from a dimmed state to on when motion is detected for full visibility and brightness only when needed, greatly reducing on-time and power consumption. Multiple sensors can be linked to a single Dialight gateway to manage several (or up to 100) nodes (sensors and lights) from a single wall controller.

Programmable dimming and customizable timeout options allow facilities to configure fixture on-time for each sensor at one-minute intervals. Lights can be programmed to remain on for up to 30 minutes once motion is no longer detected and then dim or turn off instantly.

Auto-detect technology instantly recognizes new sensors on the network upon activation for fast and easy configuration. And, each light and sensor in the network can be securely monitored and configured remotely from anywhere through the Dialight cloud-based gateway portal using a tablet, laptop or smartphone.

With its 10-year lithium batteries and self-healing 2.4 GHz IEEE 802.15.4 mesh networking system, the new occupancy sensors offer the same long-life performance and dependability of the complete Dialight wireless lighting system, backed by a 5-year warranty.

The new wireless occupancy sensors are available in two lens types. A wide-angle lens detects motion up to 30 feet at a 120-degree angle, ideal for ceiling mount applications to cover a larger footprint for general area lighting. The long-range lens detects motion up to 100 feet away at a narrow 10-degree angle, best suited for wall mounting and aisle coverage. For example, this sensor can be installed at the end of individual aisles to activate only the lights in that aisle when needed.

Each low-profile sensor is just under 2 ½ inches in height and 5 inches in diameter, weighs only 10 oz. and has an operating range of -40°F to +149°F. Visual indicators and notification for network joining, motion detection and battery replacement ensure ease of installation and operation. The sensors are UL-916 certified.