

LED NETWORK CONTROL FOR LIGHTING FIXTURES



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LED NETWORK CONTROL FOR LIGHTING FIXTURES

Wireless intelligent lighting control system of Alloy Industry Co., Ltd.

It is an innovation that effectively reduces the energy consumption. Covering a wide range of applications, wireless intelligent lighting control system allow efficient lighting management. Designed to support 80 - 350 watts of LED lamps, and can create conditions to control each lamp independently. The system also works with wide variety of lighting control devices to suit the actual application.

This makes it possible to reduce electricity consumption by up to 80% compared to normal lighting control systems.

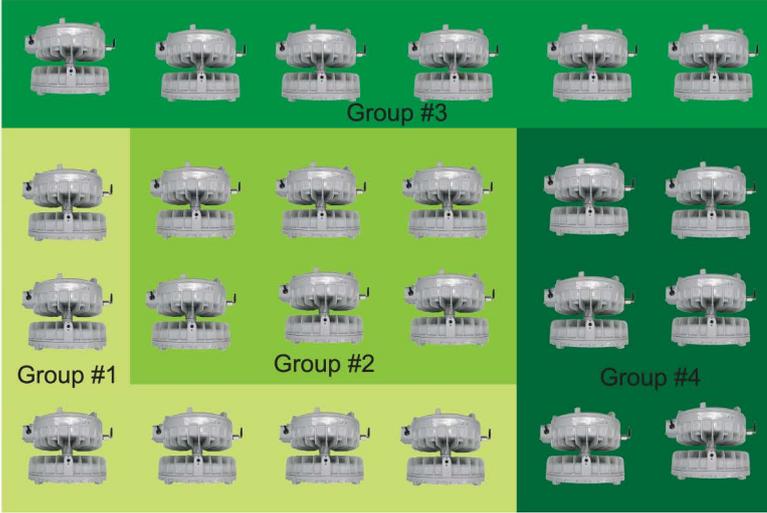
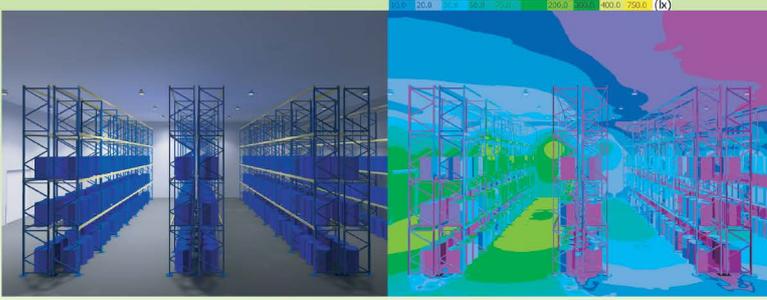
This system is proven to help customers save on electricity bills, and also has a low break-even point. Currently, this system is used in many leading companies in various industries both domestic and international.



Control lighting as needed

Level of brightness can be selected as needed, such as providing high illumination in working areas or even dimming in low traffic areas. The lighting control can be applied without having the luminaires switching on/off manually.

Illuminate Simulation



Connect a wide variety of control devices

Wireless control via smart keypad (Wireless keytouch) or computer. Also support other functions such as motion sensor or wireless timer as per customer requirements.



Group the lamps according to their actual use

Luminaire grouping made possible even if the lamps are installed in different areas and/or different power supply without rewiring the switch which can be immediately combined with the original wiring system.

Chart Comparison Energy Costs



Lighting Energy Costs		Always ON
Lighting Energy Costs		Manually controlled
Lighting Energy Costs	LED Technology	Manually controlled
Lighting Energy Costs	LED Technology	- Auto & Central Management - Daylight Harvesting - On Demand Lighting
		- Zoning Control - Auto ON/OFF



Significant reduction in energy cost



Introduction of LED luminaire



Introduction of smart control



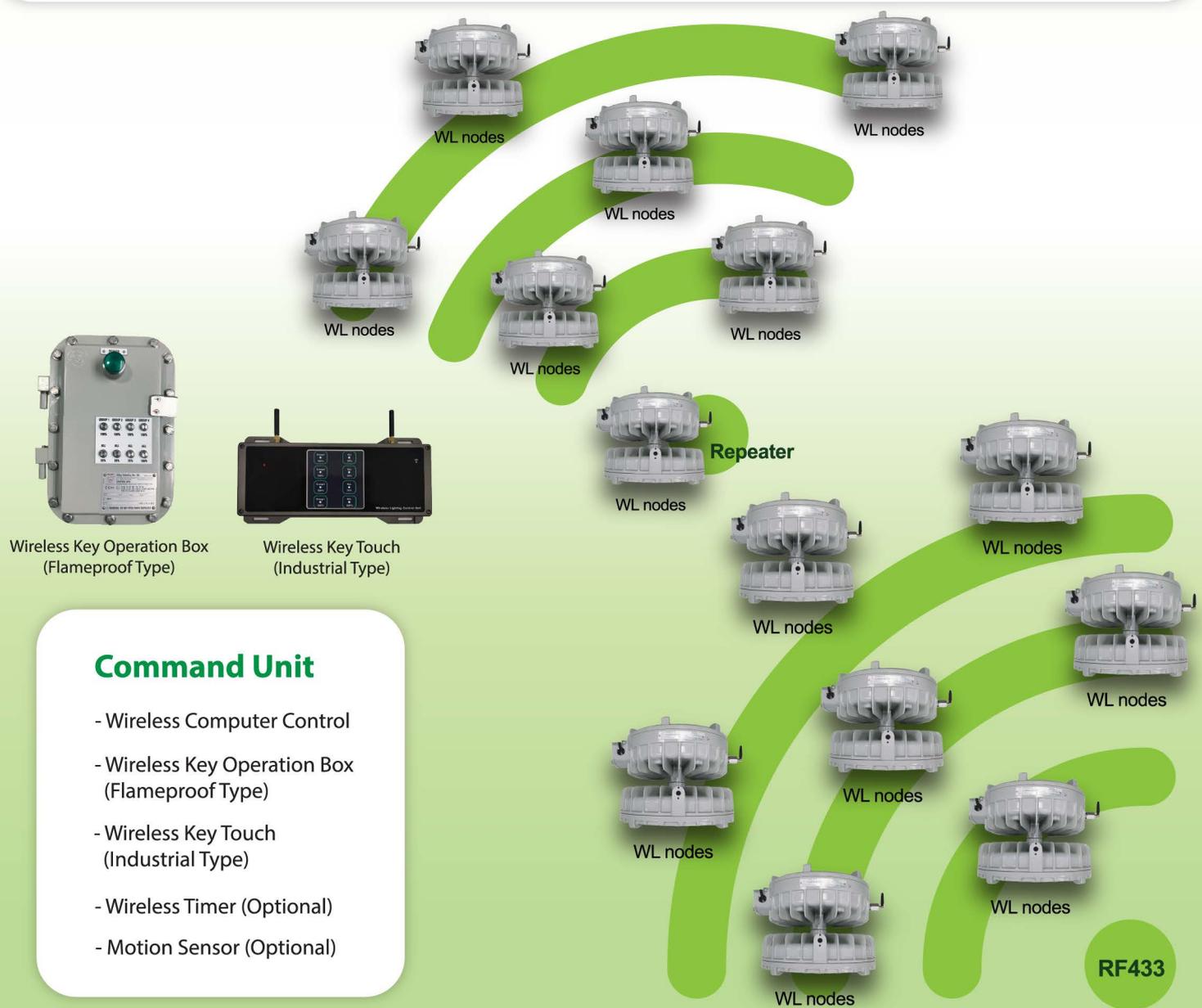
Low break-even point

LED lighting technology + Wireless control system guarantee to save cost from day one. Break-even point is also proved to be very low comparing to the traditional energy saving techniques.



Remote wireless control

Lighting system can be easily managed by a reliable long range wireless transmission system, with a maximum transmission distance of 200 meters. The system is immune to error as the instruction being sent to luminaires is always secured and encrypted.



Command Unit

- Wireless Computer Control
- Wireless Key Operation Box (Flameproof Type)
- Wireless Key Touch (Industrial Type)
- Wireless Timer (Optional)
- Motion Sensor (Optional)

RF433



Flameproof Products (Hazardous Areas)



LED High Bay Lighting Fixture DFDR1 series

 II 2G Ex db eb IIC T6.. T4 Gb
II 2D Ex tb IIIC T85°C.. T135°C Db IP66

Rated Voltage : 110-240V.ac 50/60Hz. P.F. ≥ 0.95
LED Power : 30 to 240W.



LED Lighting Fixture NFDR1 series

 II 3G Ex nR IIC T6 Gb
II 2D Ex tb IIIC T85°C Db IP66

Rated Voltage : 110-240V.ac 50/60Hz. P.F. ≥ 0.95
LED Power : 30 to 350W.



LED Tube Lighting Fixture DFP-S series

 II 2G Ex db IIC T6 Gb
II 2D Ex tb IIIC T85°C Db IP66

Rated Voltage : 110-240V.ac 50/60Hz. P.F. ≥ 0.98
LED Power : 18 to 25W.

Industrial Products (Industrial and/or general Areas)



LED High Bay AL-UFO series

Indoor/Outdoor use, IP65

Rated Voltage : 110-240V.ac 50/60Hz. P.F. ≥ 0.95
LED Power : 80 to 200W.



LED Street Light AL-ST series

Outdoor use, IP65

Rated Voltage : 110-240V.ac 50/60Hz. P.F. ≥ 0.95
LED Power : 50 to 240W.



LED Floodlight AL-FD series

Indoor/Outdoor use, IP65

Rated Voltage : 110-240V.ac 50/60Hz. P.F. ≥ 0.95
LED Power : 30 to 240W.



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