

It's time to discover the possibilities.
Choose wireless Limitless™
switches to give your ideas free rein.

More distance - Limitless™ devices have up to a 305 m [1000 ft] line-of-sight range without using repeaters, depending on antenna type

More durability - Limitless™ Series offerings will include versions with an all-metal body and drive train, low-temperature capability, and/or enclosure with an anti-corrosion epoxy coating

More savings - Limitless™ switches can greatly reduce the costs of wiring, installation, and maintenance for all devices and equipment

More security - Limitless™ products conform to the international IEEE 802.15.4 standard and feature 16-bit address and 128-bit AES security keys

More flexibility - Since you're no longer tethered by wire, you can reconfigure and network multiple switches, easily allowing addition, subtraction, or relocation of Limitless™ switches

More diagnostics - Limitless™ user-friendly software provides information on battery health, and signal strength for each specific input

More standard options - Limitless™ products use a globally license-free, 802.15.4 RF radio and commercially available batteries for easy replacement anywhere in the world

Limitless™ Limit Switch Series

WGLA Global Limit Switches

WLS Heavy-Duty Limit Switches

Honeywell's Limitless™ product line combines the best of Honeywell's global limit switches with the latest commercial state-of-the-art wireless technology. Wireless-enabled limit switches can be used for position sensing and presence/absence detection for an endless number of applications.

The Limitless™ Series is especially beneficial for remote monitoring applications where wiring or wire maintenance is not physically possible or economically feasible. Combining this greater flexibility with proven harsh-duty packaging can result in increased efficiencies for machines, equipment, OEMs, and operators.

FEATURES

Wireless Design

- Radio (license-free and global*): WPAN 802.15.4, 2.4 GHz, point-to-point
- FCC 15, IC, ACMA, COFETEL, IDA, and ETSI
- RoHS compliant
- EMI immunity protects against external interference
- In excess of 305 m [1000 ft] line-of-sight communication
- Reliable, flexible, and secure wireless transmission
- Standard replaceable battery with ultra-low power consumption
- Direct or remote mount antenna options

WGLA Series Features

- EN50041 metal enclosure
- IP67; NEMA 1,4,12,13
- Multiple operating heads and lever options
- Modular construction of components

WLS Series Features

- EN 50041 metal enclosure
- IP67/IP68; NEMA 1, 3, 4, 6, 6P, 12, 13
- Unique all-metal drive train
- Twin shaft seals (rotary)
- Zinc head and body are phosphate treated and epoxy finished making it less susceptible to effects from environmental exposure
- Full complement of operating heads and levers
- Chemical resistant fluorocarbon seals (optional)

BENEFITS

- Enables wireless presence/absence detection in applications/machinery where wiring is challenging or not feasible
- Integration of existing wireless technology with the superior reliability of Honeywell's MICRO SWITCH™ limit switch series
- Ability to reconfigure and network multiple switches, easily allowing addition, subtraction or relocation of Limitless™ switches in the application
- Reduces installation/maintenance costs with no wires, conduit, strain relief, clips, connectors, or connection boxes
- Output options
 - Panel-mount monitor: visual, audible (buzzer), one NPN output
 - DIN-mount receiver: visual, 14 NPN/PNP outputs (CAN available in the future)
- Consumes ultra-low power to prolong battery life (replaceable)
- Long-range signal in excess of up to 305 m [1000 ft] line-of-sight
- RF board operating in 2.4 GHz globally license-free frequency band; WPAN 802.15.4
- SIL reliability data available upon request



POTENTIAL APPLICATIONS

- Construction/ag machines
- Conveyors
- Crane boom/jib/skew position
- Door position
- Grain diverters or flaps
- Hose attachment verification
- Lifts
- Material handling
- Movable machinery
- Presses
- Remote or temporary equipment
- Specialty machines
- Valve position

*Some countries require specific communication certifications. Contact Honeywell for existing certification information.