

Honeywell



Increase Employee Safety
with Layers of Protection
**Limitless™ Safety Shower and
Eye Wash Alarm Solutions**

We ask a lot of our employees when we ask them to work with hazardous chemicals and products during their workday.

Even with advanced engineering controls and safety precautions, accidental chemical exposures can still occur. It's critical that we do not diminish the severity of the consequences and **look beyond what may be considered an adequate** safety shower/eye wash solution.

Enhance your current solution with superior emergency response, improved access, and incident reporting.





Superior emergency response

Employees are very cautious. They are very aware of the fact that **one accident could leave scarring that never disappears, create long lasting medical problems or cost them their eyesight.** They deserve to know that help is always within reach, and on the way when needed.

Access stations within 10 seconds of the hazard



Timing is so important to avoid long-term injuries from toxic or corrosive substances. Because **the first few seconds after exposure to a chemical are critical,** eyewash and safety showers should be mobile so they can be relocated easily to the areas within your facility that allow for a 10 second access from the hazard including remote locations. This solution allows you to retrofit pre-existing safety showers without needing to run power.

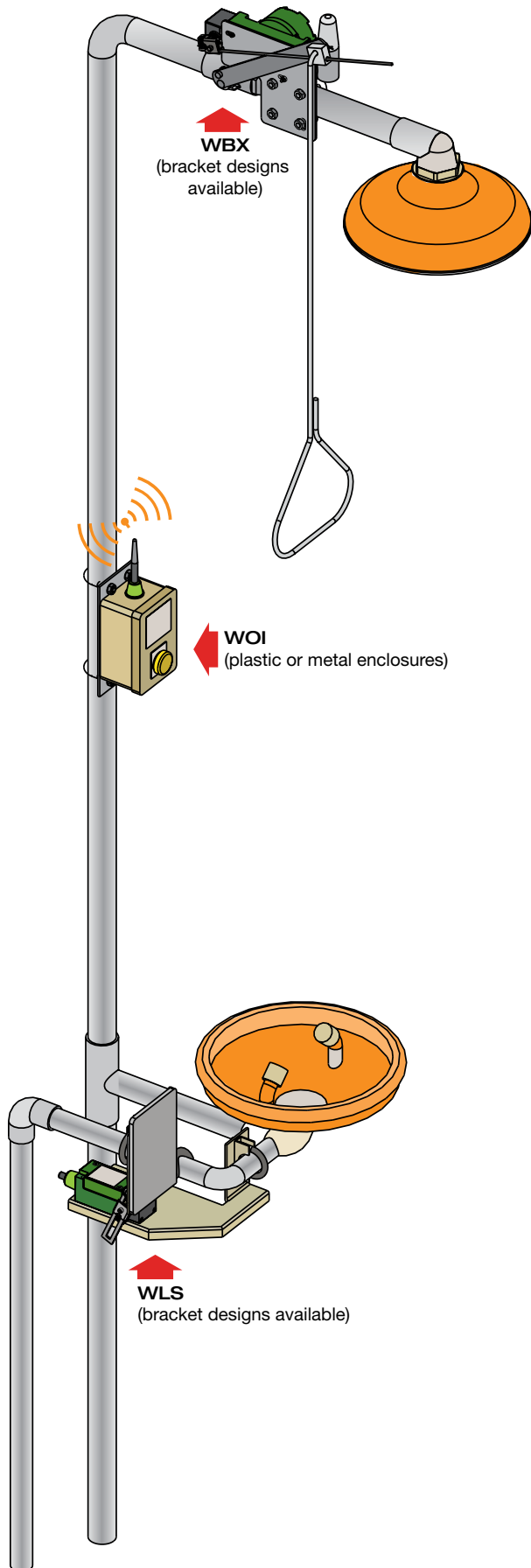
Incident recording



Enhance your records of maintenance and testing by including time/date stamped incidents. **Document exact times of incidents and record number of usages, and location.** Great for requirements per company/government regulations.



Why Upgrade to an Enhanced Solution?



- More distance means more **location flexibility**
 - Limitless™ devices have up to a 305 m [1000 ft] line-of-sight range without using repeaters, depending upon the antenna type
- More durability means more **environment options** (rain, sleet, snow, dust, etc.)
 - Limitless™ Series' offerings include versions with all-metal body and drive train, low-temperature capability, and/or enclosure with an anti-corrosion epoxy coating
- More savings means **no retrofit costs**, plumbing costs, or electrician costs
 - Limitless™ switches can greatly reduce the costs of wiring, installation, and maintenance for all devices and equipment
- More security means your **critical data is safeguarded**
 - Limitless™ products conform to the international IEEE 802.15.4 standard and feature 16-bit address and 128-bit AES security keys
- More flexibility means you can **adapt your footprint at any time** as needed
 - Because you are no longer tethered by wire, you can reconfigure and network multiple switches, easily adding, subtracting, or relocating Limitless™ switches
- More diagnostics means **enhanced incident reporting** and industry compliance
 - Provides time stamping and shower triggering notification to aid in certifications and requirements; Limitless™ user-friendly software provides information on battery health, and signal strength for each specific input
- More standard options means easy maintenance with **generally available replacement options**
 - Limitless™ products use a global, license-free, 802.15.4 radio and commercially available battery for easy replacement anywhere in the world



Increase Safety With Honeywell

- Automatic or manual alarm notification upon safety shower or eye wash actuation to help promote first alert response time
 - ✓ WGLA, WLS, or WBX Limit Switch: Automatic upon actuation of valve
 - ✓ WOI Operator Interface: Manually operated pushbutton (may be preferred if regular tests are required)
 - ✓ WLS-SSA Single-Switch Adapter: Automatic connection to an existing switch
- Can be connected to a local alarm, central alarms, or trigger CCTV coverage
- Helps promote alarming per safety shower OEM recommendations, OSHA guidelines, Australian standards, and local government requirements
- Facilitates documentation and time stamping for OSHA-required checks

Real-Time Notification

Know in real-time when a critical safety shower or eye wash has been used.



Automatic notification via operator activation



Automatic notification via mechanical linkage

Automatic notification via electrical connection to existing switch

Alarm Solutions • For Safety Show



Easy Implementation

Lower Installed Costs

- No recertification required - Limitless™ wireless switches are easy to configure with no modifications to existing equipment or impact on the functionality
- Lower complexity for easy adoption - installs in minutes!
- A Limitless™ wireless solution can operate as a stand-alone system, or easily integrate into existing building management systems
- Additional Limitless™ points can be added at any time for monitoring additional safety showers, eye washes, doors, etc.
- Easy to retrofit - No need for trenching for cable or conduit. Getting rid of the wires eliminates the majority of installation costs

Avoid the Challenges with Alternative Solutions

Wireless DI transmitter	<ul style="list-style-type: none">• Higher infrastructure cost• More brackets• Wiring required from sensor to wireless transmitter
Flow switch	<ul style="list-style-type: none">• Requires plumbing and more fittings• Requires wiring• Higher cost• Lack of long-term reliability• Potential trenching and conduit
Wired switch	<ul style="list-style-type: none">• Requires wiring• Potential trenching and conduit

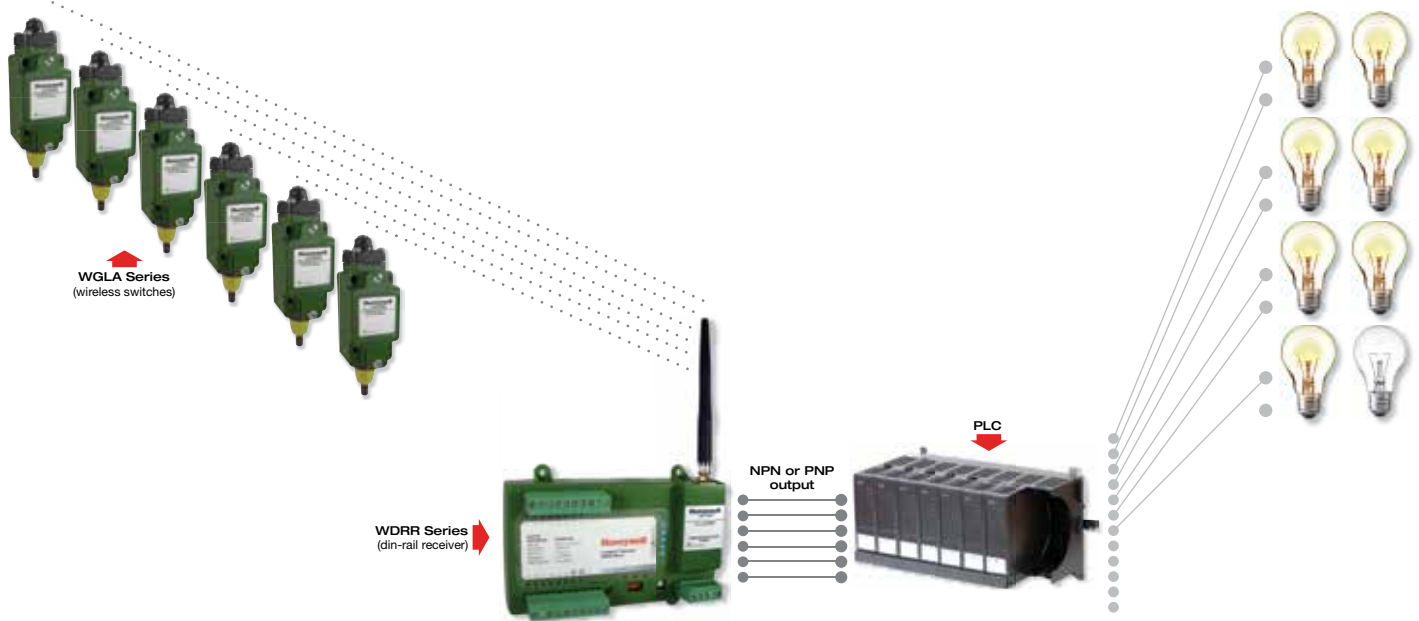
Showerers and Eye Wash Stations

Honeywell safety shower solutions are available in two wireless protocols:

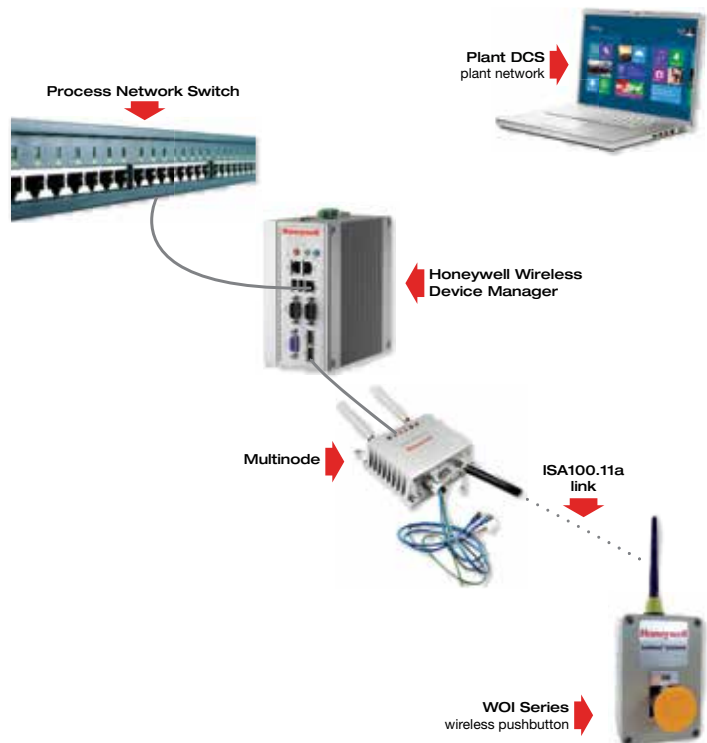
Limitless™ point-to-point communication protocol where switches transmit directly with a receiver. Protocol allows for lost connectivity and low battery diagnostics.

ISA100 OneWireless is a multi-application, multi-standard wireless network that can be tailored to offer network wireless coverage needed for industrial applications. Field devices mesh allowing for multiple RF transmission pathways.

Limitless™ Point-to-Point System Diagram



ISA100 OneWireless System Diagram



Find out more

To learn more about Honeywell's wireless solutions, call **+1-815-235-6847**, email inquiries to **info.sc@honeywell.com**, or visit **sensing.honeywell.com**

Sensing and Control
Honeywell
1985 Douglas Drive North
Golden Valley, MN 55422
honeywell.com

Honeywell

002358-3-EN IL50 GLO Printed in USA
June 2014
Copyright © 2014 Honeywell International Inc. All rights reserved.