

## Product Training Module: Limitless<sup>™</sup> Wireless Operator Interface WOI Series





## Summary of Contents

- In this training module, you will learn the following about the Honeywell Limitless<sup>™</sup> Wireless Operator Interface, WOI Series:
  - Introduction to what these switches are
  - Their key features and benefits to design engineers
  - Potential use in Industrial and Transportation applications
  - Where to obtain additional information



## Honeywell

## Introduction

- The WOI Series is a controller designed to wirelessly turn equipment on and off, open or close gates/doors, or provide notification to remote locations
- With both momentary and maintained contacts, the wireless operator interface (WOI) can be used by an operator to provide indication via a pushbutton or another user-chosen operator type (i.e. 22 mm rotary switch, 22 mm key switch, etc.)
- Communicates through Limitless<sup>™</sup> receivers that provide PLC inputs or relay outputs connected directly to equipment to turn on LEDs or start/stop industrial equipment



## Value to Customers

#### Human interface ★

Honeywell

Allows operator to wirelessly turn equipment on/off, open/close, or provide notifications

#### Remote monitoring ★

- License-free RF wireless protocol standards (IEEE 802.15.4) allow for remote monitoring of processes and equipment
- Designed for global availability, offering a wide variety of Limitless<sup>™</sup> inputs with simple and universal PLC connections

#### Reduce costs \*

- Eliminates wires and associated connections
- Reduces engineering design time, time to install, overall project schedule
- Simplifies maintenance



#### ★ = competitive differentiator

#### **Cost-effective Remote Monitoring**



## **Features and Benefits**

#### User flexibility

 Offers ability to choose and install the desired operator type; i.e. 22 mm rotary switch, 22 mm key switch, etc.

#### Configurability

- Ability to reconfigure and network multiple interfaces, or point-to-point with personalized addresses
- Allows for adding, subtracting, or relocating Limitless<sup>™</sup> inputs easily

#### Increases uptime

 Eliminates lost production time from wiring integrity issues, especially with moving/flexing wires

#### Flexible. Configurable.



## **Features and Benefits**

#### Added versatility

- Wide communication distance of 305 m [1000 ft] line of sight (LOS)
- Allows for use in a wide variety of applications
- Easily allows for system reconfiguration.

### Remote control and notification

 Enables control and/or notification in remote parts of application/ machinery/manufacturing plants, where wiring is too costly or not possible



#### **Reduces Installation and Maintenance Costs**

Limitless™ Wireless Operator Interface



## **Potential Applications**



Industrial

Honeywell

- CNC action
- Conveyors
- Door/gate action
- Lifts
- Material handling
- Motor drives
- Presses
- Pumps
- Quality control buttons
- Specialty machines
- Stop/start machinery
- Stop/start production
- Valve action

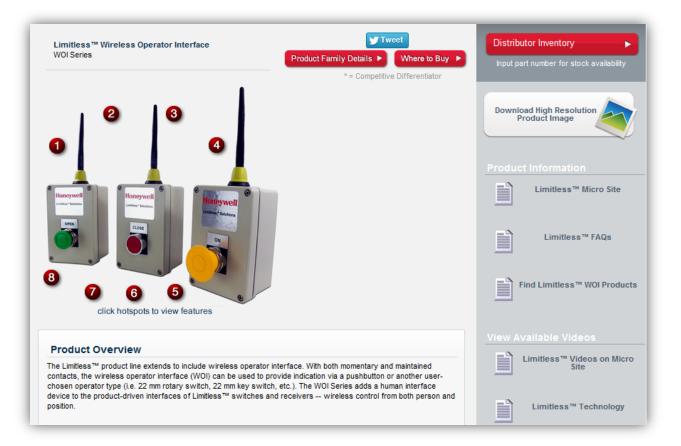
#### Transportation

- Agricultural equipment
- Movable machinery



## **Online Resources**

 To access more information about the Limitless<sup>™</sup> Wireless Operator Interface, WOI Series, <u>click here</u>.





## About Honeywell Sensing and Control Products

 For more information about all of Honeywell Sensing and Control sensor and switch solutions, visit <u>http://sensing.honeywell.com</u>



#### http://sensing.honeywell.com