



4310 WIRELESS POSITION MONITOR AND CONTROL

OPEN/CLOSED POSITION FEEDBACK

TOPWORX


EMERSON[™]
Process Management

4310 WIRELESS POSITION MONITOR AND CONTROL

No Wires, No Problem

Every plant has blind spots and hard-to-reach equipment. The Topworx 4310 wireless position monitor sends a wireless feedback signal through the Smart Wireless network to indicate discrete valve position, device temperature, and power module status. This unobtrusive position monitor won't disturb your existing process wiring; no wires means the Smart Wireless network can be superimposed over any wiring infrastructure. The position monitor can be used to analyze all rotary and linear valve and actuators; displacement and float level sensors; and regulators.

Minimize Process Upsets

The 4310 wireless position monitor is ideal in situations where you want to monitor valve position feedback to isolate problem valves. By using this device, you can minimize process upsets and keep your plant performing.

Eliminate Costly Mistakes

Sending a worker out to fix a valve can cost you. What if the wrong valve was worked on or it was in the wrong position? Errors can result in lost production, reprocessing costs, or selling at reduced price and specification. When you integrate valve alignment into the control logic, you can create automated process checks, in turn eliminating costly mistakes. With the 4310 wireless position monitor you can compare value set points and process conditions to valve position feedback to isolate problem valves and ensure you fix the right valve in a timely fashion.

Protect the Process

In weather-prone locations, the 4310 wireless position monitor can be used to protect the process and ensure proper operation. Due to the energy-limiting nature of the design, this intrinsically safe device is suitable for use in all zone locations.

Wireless On/Off Control

Wireless Improves Plant Efficiency

Less time moving valves means more time to attend to scheduled tasks. Faster valve alignment means more time meeting your needs. Wireless allows you to automate process startup, shut down, and switch over procedures. Wireless Reduces Lost Batches, Increases Capacity Automation can take the human error out of your process and prevent the

occurrence of bad batches. Automating the manually operated components of your process can eliminate troublesome sources of variability.

Wireless Reduces Lost Batches, Increases Capacity

Automation can take the human error out of your process and prevent the occurrence of bad batches. Automating the manually operated components of your process can eliminate troublesome sources of variability.

Wireless Improves Personnel Safety

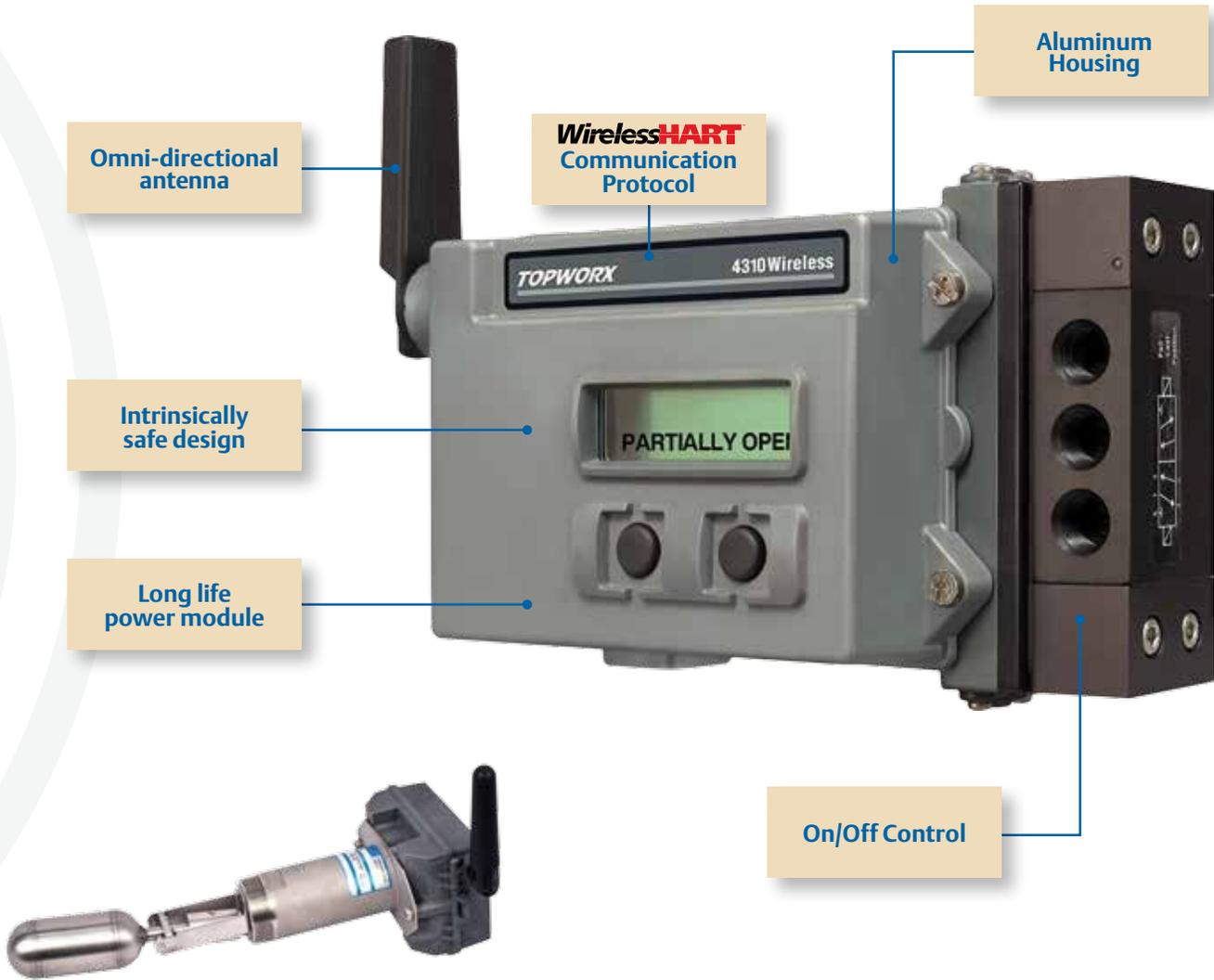
Automating your plant can mean reducing your workers' exposure to hazardous environments, inclement weather, and mistake-prone infrastructures, like ladders or stairs. With more efficient processes in place, your experienced workforce has more time to train new personnel and potentially reduce costly mistakes in the future.

Wireless Reduces Unwanted Emissions

Fill or transfer valves can be sources of excessive level, temperature, and pressure that cause trips and lead to unplanned downtime. Minimize the chances of a manual valve being the root cause of hazardous emissions by converting to wireless.



WirelessHART™ self-organizing network



Omni-directional antenna

WirelessHART Communication Protocol

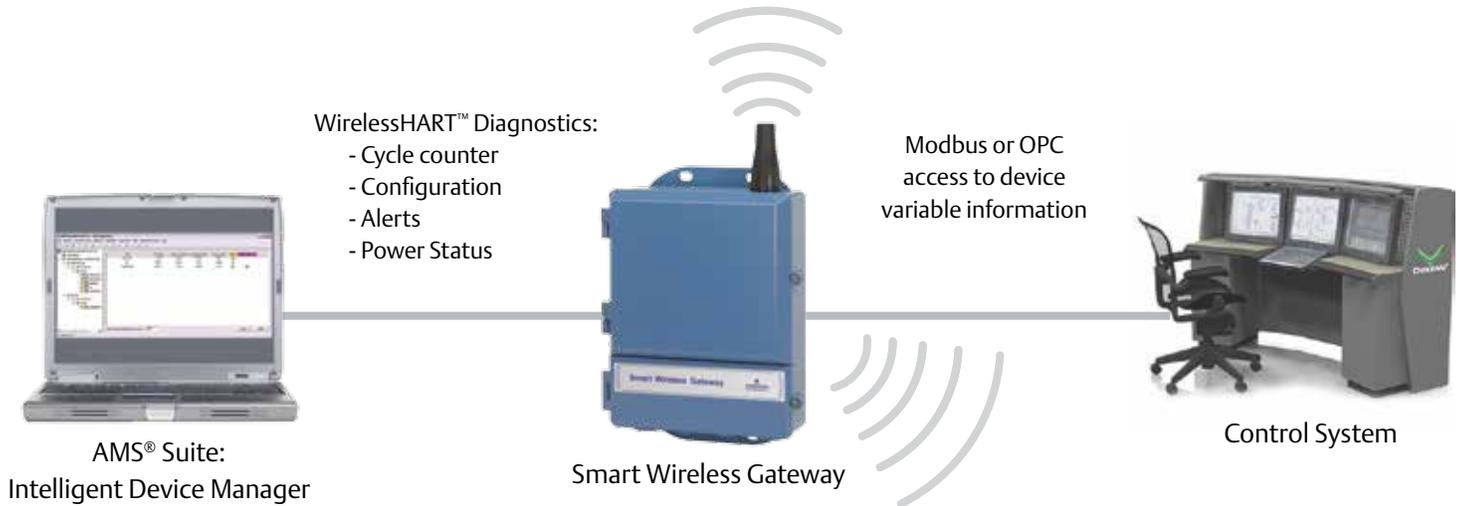
Aluminum Housing

Intrinsically safe design

Long life power module

On/Off Control

Tank Level Control



GLOBAL SUPPORT OFFICES

Americas

3300 Fern Valley Road
Louisville, Kentucky 40213 USA
+1 502 969 8000
info.topworx@emerson.com

Asia-Pacific

1 Pandan Crescent
Singapore 128461
+65 6891 7550
info.topworx@emerson.com

Europe

Horsfield Way
Bredbury Industrial Estate
Stockport SK6 2SU
United Kingdom
+44 0 161 406 5155
info.topworx@emerson.com

Middle East

P.O. Box 17033
Jebel Ali Free Zone
Dubai 17033
United Arab Emirates
+971 4 811 8283
info.topworx@emerson.com

Africa

24 Angus Crescent
Longmeadow Business Estate East
Modderfontein
Gauteng
South Africa
+27 11 451 3700
info.topworx@emerson.com

Visit www.topworx.com for comprehensive information on our company, capabilities, and products – including model numbers, data sheets, specifications, dimensions, and certifications.

info.topworx@emerson.com

www.topworx.com

© 2014 TopWorx. All rights reserved. TopWorx, Valvetop, GO Switch, VIP, and Leverless Limit Switch are all trademarks of TopWorx. All other marks are the property of their respective owners. Information herein – including product specifications – is subject to change without notice.



About Emerson Process Management

Emerson Process Management is a powerful, global, single source of process improvement technology and expertise. We help major companies in selected industries optimize their plants and processes to achieve higher quality, greater reliability and faster time to market, while steadily advancing productivity and profitability. We can build it - providing experienced project management, engineering and a single point of accountability for the entire instrumentation and automation system. We can connect it -- seamlessly integrating people and technology at every level of the process. We can improve it -- creating more efficient utilization of energy and raw materials. And we can sustain it -- producing greater reliability, month after month, year after year. From the field, to the plant, to the bottom line -- where performance is the question, Emerson is the answer.

TOPWORX



EMERSON
Process Management