

Wireless Safety Shower Applications From Emerson™

Accurate Wireless Monitoring for Increased Safety Awareness

How often do you visit your safety showers and eyewash stations to assure they are operational? When an employee uses a remote station how are you alerted? If you are not alerted, how do you know that the employee is not alone and incapacitated by injury, unable to call for help? Wouldn't it be beneficial to be able to collect accurate trending information for safety audits from the comfort and safety of your desktop?

Solution

The inclusion of two TopWorx GO® Switches and a Rosemount™ Wireless 702 Discrete Transmitter at each shower station, along with a centrally-located Rosemount 1420 Wireless Network Gateway.

Why use this application?

- Improved Environmental, Health and Safety incident reporting capabilities
- Reduced cost of installation and maintenance with no need for field wiring, I/Os, safety barriers, or monitoring for line breakage and short circuits
- Provides activation notification, time stamping, and trending capability
- Because the Rosemount Wireless 702 Discrete Transmitter is Intrinsically Safe and the TopWorx GO Switch is a "simple device" this application can be used in hazardous locations and no permits are required for installation

Why use GO Switch?

- No power required to operate
- Non-contact sensing with no exterior moving parts to wear or break
- Water-proof and submersible with the widest operating temperature range on the market
- Will not stick or fail like flow switches do when shower water pipes freeze up
- Not affected by extreme environments, dust, dirt, moisture, washdown, physical abuse, electrical noise, radio frequency interference, or most caustics or chemicals

Why use Emerson™ Smart Wireless?

Emerson's Smart Wireless products and solutions extend PlantWeb predictive intelligence into areas that were previously out of physical or economic reach, opening the door for new possibilities in process improvement. Remote locations, physical obstructions, and the high cost of engineering and integrating new technologies are no longer the barriers they were.

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