# ENHANCE
YOUR SENSORS

INFORMER100

introduces several new features and capabilities; along with unique application possibilities.

The Application

A customer has an application where they have sensors interfacing to tone only speakers. Each sensor interfaces to a tone speaker; activating each sensor initiates each speaker to play a tone. As long as the sensor is active, the tone plays. Each unit is independent, meaning each sensor requires a speaker, with each speaker requiring a specific tone. The problem is differentiating between the 4 different tones. Tones are good at notifying personal locally, but a smart device can improve the communications. How do we do it?

Current Sensor Notification
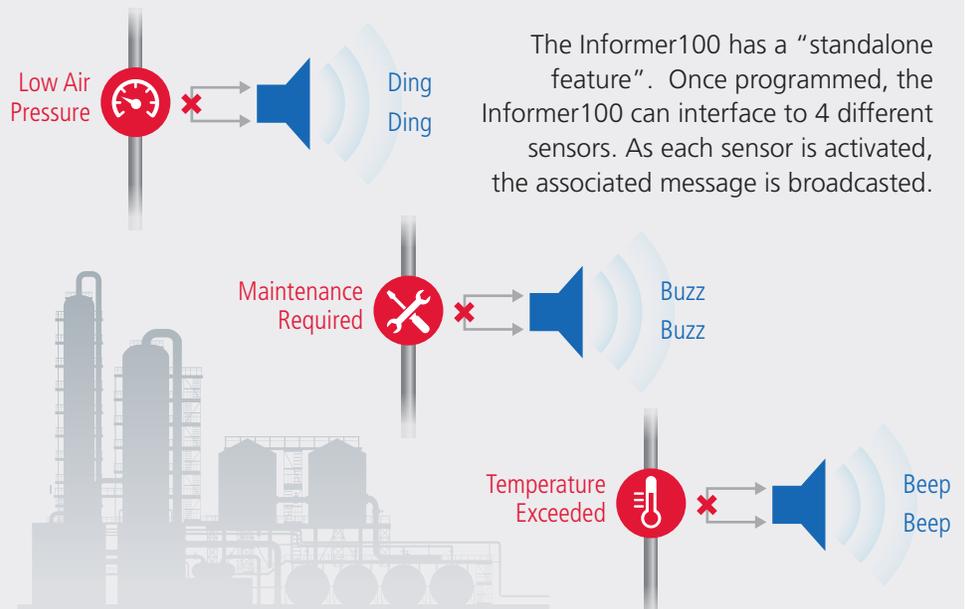
The Informer100 has a "standalone feature". Once programmed, the Informer100 can interface to 4 different sensors. As each sensor is activated, the associated message is broadcasted.

Low Air Pressure — Ding Ding

Maintenance Required — Buzz Buzz

Temperature Exceeded — Beep Beep

But what happens when 2, 3 or 4 sensors are all activated simultaneously?

Is there priority? Does one message "win"?

Or can we use the intelligence and capability of the Informer100 to provide the maintenance personal with the information they need to know?

If only one sensor is activated, then there isn't an issue. An option on the speaker allows the message to play as long as the sensor keeps the contact closed. If Sensor 2 stays closed the system will continue to play the associated message.

But what happens when a second or third sensor is activated? Then what?

FEDERAL SIGNAL
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The Example

Sensor 1 closes a contact when Air pressure is low – message "Warning, air pressure is low Sensor 1, Warning, air pressure is low Sensor 1, Warning, air pressure is low Sensor 1".

Sensor 2 closes a contact when maintenance is required – "Alert, maintenance is required Sensor 2, Alert, maintenance is required Sensor 2, Alert, maintenance is required Sensor 2".

Sensor 3 closes a contact when temperature is exceeded at the water valve. "Caution, Temperature is exceeded at Sensor 3, Caution, Temperature is exceeded at Sensor 3, Caution, Temperature is exceeded at Sensor 3".

The Solution

Voice Message Annunciation

Low Air Pressure Sensor 1

Maintenance Required Sensor 2

Temperature Exceeded Sensor 3

Gas Leak Sensor 4

"Warning, air pressure is low Sensor 1"

"Alert, maintenance is required sensor 2"

"Caution, Temperature is exceeded at water valve"

"Evacuate, gas leak at sensor 4"

Smart Sensor Aannunciation
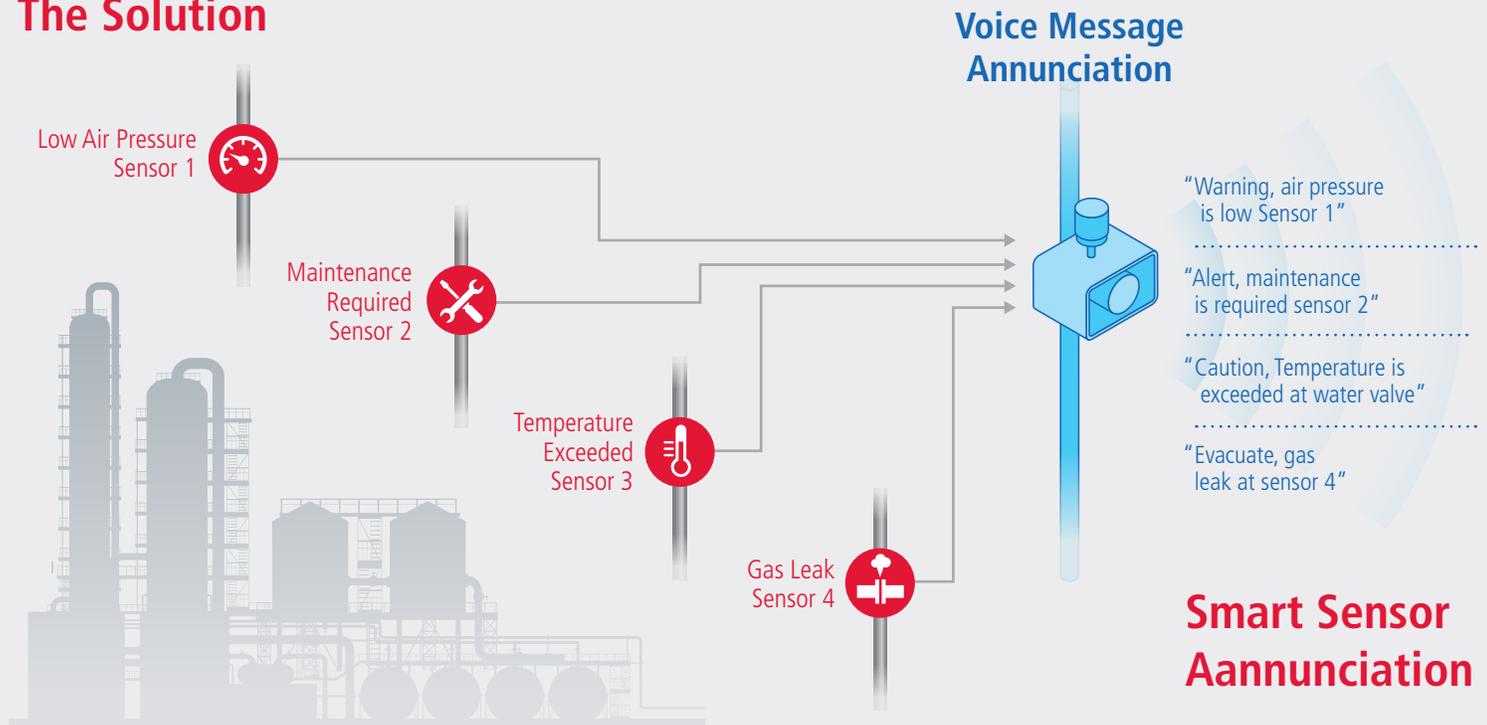
Let's say Sensor 2 is activated and playing message 2. Then sensor 1 is activated. Once message 2 completes playing its message, it will look to input 3, if no closure on input 3 it will look to input 4. With no closure on 4, it will then look at Input 1. Input 1 is closed; therefore, causing the message to play. The Informer100 will look for the next active input – which is input 2. Since input 2 is active the speaker will play message 2. The speaker will continue to alternate between messages associated with input 1 and input 2 until either one or both inputs remove their contact closure.

NEXT STEPS

Let us solve your problem. Contact your local Federal Signal Representative for a FREE Site Survey. We'll be happy to come out, review the application and provide a solution proposal and complete bill of materials. Don't hesitate, contact us today!

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