



# Instant and Reliable Data

from Pressure/Vacuum Vents with *WirelessHART* Mesh Networking

In this new age of always wanting more information, L&J engineering now offers a way to monitor when tank vents are relieving. Our MCG 1097 *WirelessHART* Relief Alarm System can send a signal to notify the operator when a pressure device is relieving. This valuable information can be monitored and tracked. The instant reliable data will prove to be an asset that avoids the hassle of guess work and manual device inspections saving you both time and money.

MCG 7030  
Touch Panel  
Alarm Monitor ▾



*WirelessHART* Adapter ▶

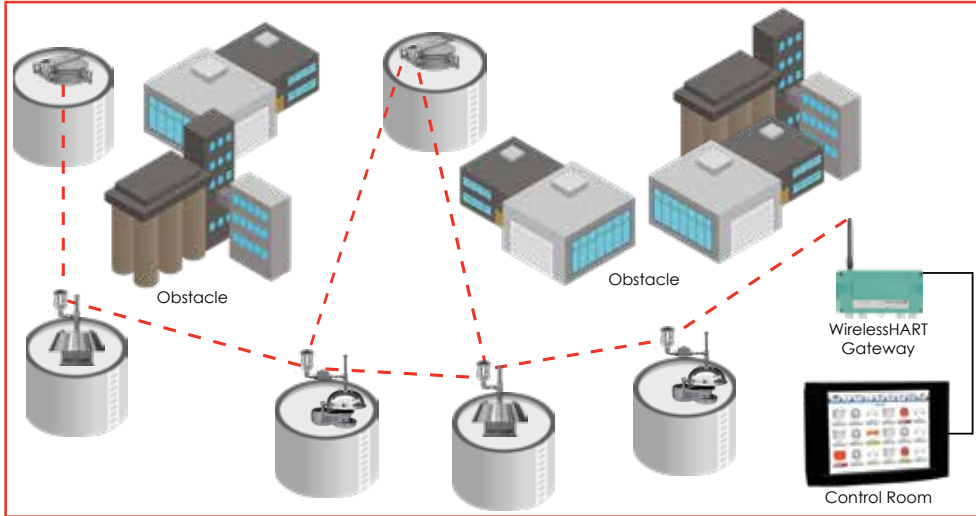
MCG 5200 *WirelessHART* Gateway ▲

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# SHAND & JUR'S

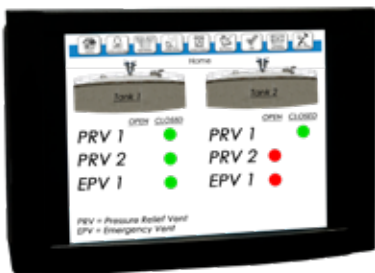


94020 Conservation Vent shown with optional **WirelessHART**

## MCG 1097 WirelessHART Relief Alarm

Checking and verifying the reliability of pressure relief devices on storage tanks has long been expensive and time consuming. Traditionally, each device was periodically checked by technicians climbing the tanks and manually inspecting each device. With the **WirelessHART** solutions, these relief devices can be monitored remotely.

**WirelessHART** mesh capabilities allow you to bring completely wireless safety instrumentation to previously unmonitored tank accessories. Using L&J engineering's Battery Operated **WirelessHART** Adapters lets you track the relief of your Shand & Jurs conservation vents and emergency vents. Data that would take hours to get, is available instantly on the MCG 7030 Touch Panel Alarm Monitor with wireless receiver or in the control room.



MCG 7030 Touch Panel Alarm Monitor

### How It Works

A battery operated **WirelessHART** Adapter is mounted to the top of each tank vent which communicates to the **WirelessHART** Adapter mounted on neighboring tank vents. This creates a mesh that will connect to a MCG 5200 **WirelessHART** Gateway. The network is designed to be a self-organizing, self-healing network that minimizes points of failure even in the toughest conditions. It is highly securable, easy to use and infinitely configurable featuring more than 99% data reliability.

### Benefits

#### No Line of Sight Required

If an adapter cannot be seen by the gateway, other adapters will find a path to transmit the data to the gateway

#### Increased Reliability with Self-Healing Network

Built on the **WirelessHART** standard architecture, our wireless network is designed to be a self-organizing, self-healing network that minimizes points of failure. It is highly securable, featuring more than 99% data reliability.

#### No Need to Climb the Tank

All information displays on the MCG 7030 Touch Panel Alarm Monitor with wireless receiver or in the control room.

#### Available for the Following Relief Devices

- 94225 Emergency Vent and Manhole Cover (Pressure and Vacuum)
- 94210 Emergency Vent and Manhole Cover (Pressure)
- 94020 Conservation Vent (Pressure and Vacuum)
- 94130 Pressure Relief Vent
- 94160 Pressure Relief Vent

Look to L&J Technologies as the single source for all your **industrial storage tank equipment** from



Precision Tank Level Gauging Solutions for Bulk Storage



Breather Valves, Flame, Deflagration & Detonation Arresters, Fittings & FRP Equipment

Contact us today, **708-236-6000** or [sales@ljtechnologies.com](mailto:sales@ljtechnologies.com) and let us help you decide what solution will work best for your application.

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