

Instant and Reliable Data

from Pressure/Vacuum Vents with *WirelessHART* Mesh Networking

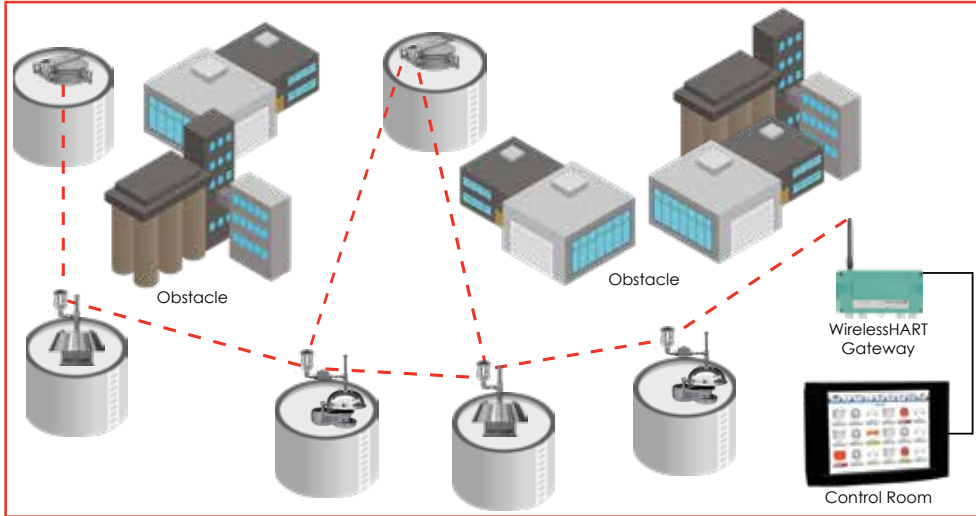
In this new age of always wanting more information, L&J engineering now offers a way to monitor when digester or vessel vents are relieving. Our MCG 1097 *WirelessHART* Relief Alarm System can send a signal to notify the operator when a pressure device is relieving. This valuable information can be monitored 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 ▲

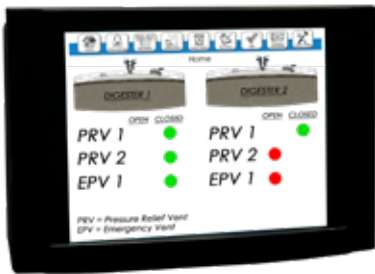


94020 Conservation Vent shown with optional **WirelessHART**

MCG 1097 WirelessHART Relief Alarm

Checking and verifying the reliability of pressure relief devices on storage digesters or vessels has long been expensive and time consuming. Traditionally, each device was periodically checked by technicians climbing the digesters or vessels 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 digester or vessel accessories. Using L&J engineering's Battery Operated **WirelessHART** Adapters lets you track the relief of your Shand & Jurs Biogas 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 digester or vessel vent which communicates to the **WirelessHART** Adapter mounted on neighboring 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.



Precision Tank Level Gauging Solutions for Bulk Storage



Digester Gas Equipment Waste Gas Burners

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 a 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 Digester or Vessel

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

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

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

L&J Technologies or any of its subsidiaries assume no responsibility and shall not be liable for any damage, injury or death caused by the mis-application or improper installation of the products that it provides. Installation shall be per manufacturer's instructions in accordance to any applicable local, state or federal regulations. It is the responsibility of the purchaser to ensure these guidelines are followed and that the products are applied properly.