

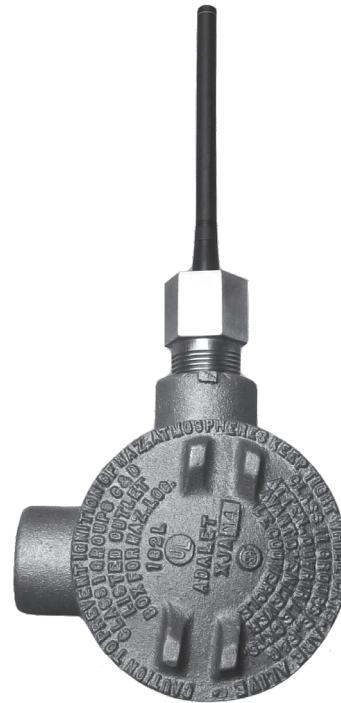
## MCG 5102 Wireless Base Station

Information which can be transmitted:

- Product Level
- BS&W Level
- Temperature
- Pressure
- Discrete Status
- Diagnostic Information

### Applications

- Connects directly to PLC or L&J Engineering computer (MCG 3630, 3900, 7030)
- Interface various field control and mounting equipment to the L&J system
- Integrated antenna and radio design
- Eliminates hardwire cable and conduit connections to the field equipment
- Provides transparent, wireless RF link to wireless gauges



Explosion Proof  
Option Shown

### Features

- Cost Effective Installation
- Easy Upgrade To Existing Inventory Management System
- Automated Wireless Gauging of Local and Remote Tank Fields
- Frequency Hopping Spread Spectrum Technology
- Communicates to L&J Engineering Field Equipment
- NEMA 4 or NEMA 7 (Explosion Proof) Housings Available

### Specifications:

**Local Power Source:**

See Ordering Guide

**Capacity:**

50 Remote Gauges per MCG 5102.\*

\*Contact L&J regarding larger installations

**Frequency Band:**

900MHz or 2.402 - 2.478GHz  
(No Site License Required)

**Output Power:**

400mw (2.4GHz), 1w (900MHz)

**Range:**

2 miles (2.4GHz), 5 miles (900MHz)

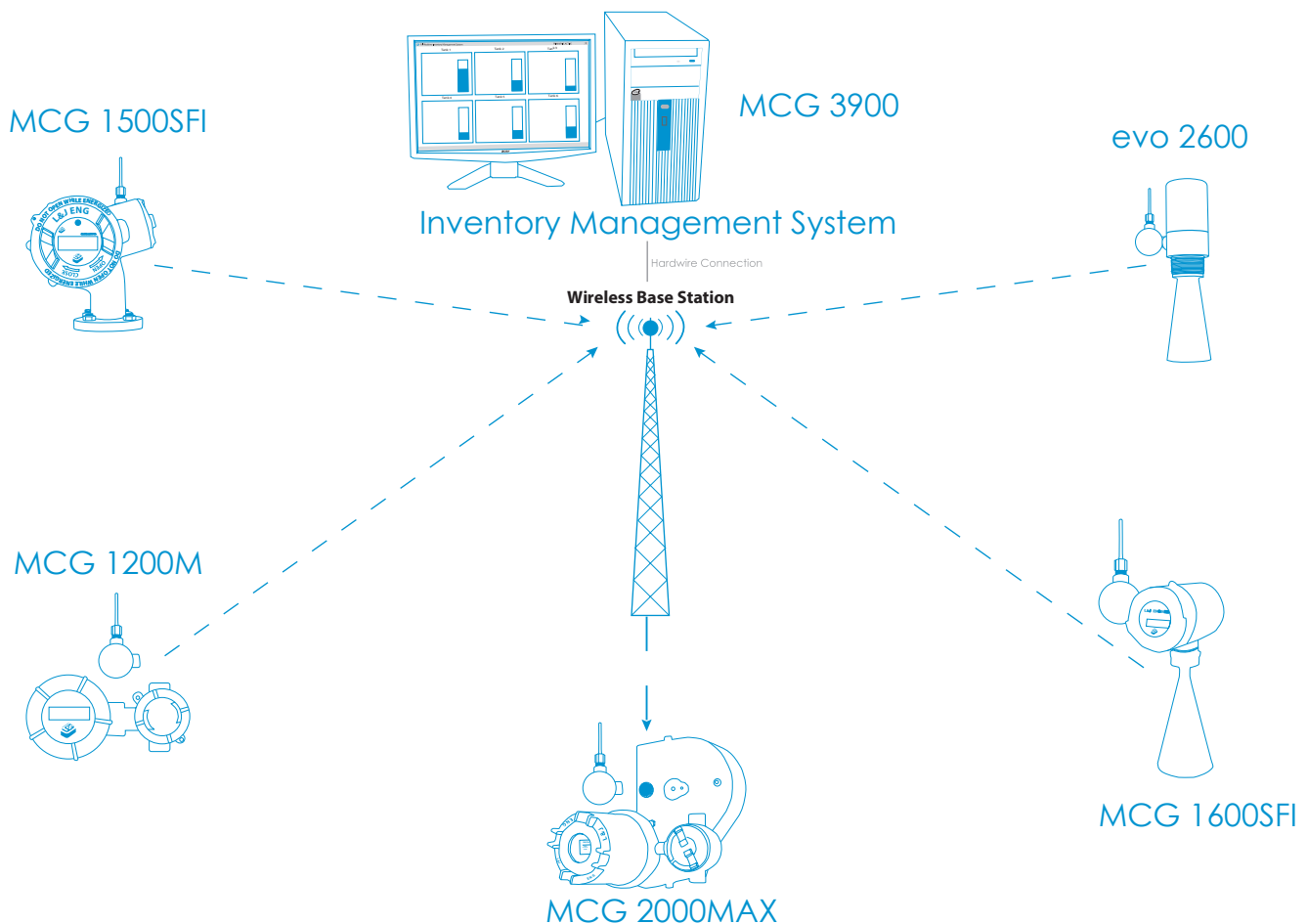
**Approvals:**

Complies with Part 15 of FCC rules

**System Compatibility:**

MCG 3630 Touch Panel Tank Monitor  
MCG 3900 Inventory Management System  
MCG 7030 Touch Panel Alarm Monitor

### Typical System Layout



All designs subject to change. Certified dimensions and specifications available upon request.

## MCG 5102 Ordering Guide

### MCG 5102 Wireless Base Station

**NOTE:** Base Station can handle up to 50 Remote devices

#### Model Number Selection:

The model number will consist of a base number **MCG 5102** followed by 6 digits.

### MCG 5102 - AB - CD - E - F

AB - Antenna	
10	3 DB Gain Omni
20	Directional

CD - Power Source	
02	110VAC
03	24VAC
04	220VAC

E - Communication Port Type	
1	RS-232
2	USB
4	RS-485

F - Enclosure Type	
1	NEMA 7 (Explosion Proof)
2	NEMA 4