



Cost effective installation

Easy upgrade to existing inventory management system

Automated wireless gauging of local and remote tank fields

Spread Spectrum Technology

Communicates to L&J Engineering SFI series gauges and transmitters

The L&J Engineering MCG 5102 Wireless Base Station

Information which can be transmitted

- Product Level
- Water Level
- Temperature
- Pressure
- Discrete Status
- Diagnostic Information
- Gauge control
- Other

Applications

Connects directly to PLC or L&J Engineering computer (MCG 3600, 3800, 3900, 7000, 8100)

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

PRODUCT DATA SHEET

MCG 5102

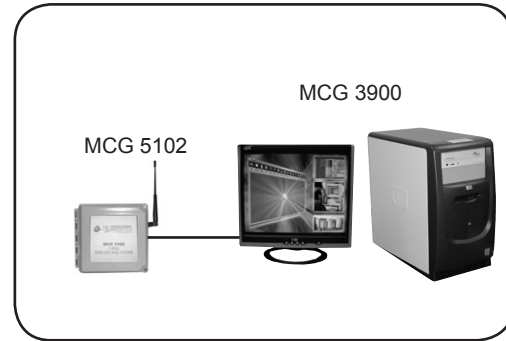
Wireless Base Station

MCG 5102 SPECIFICATIONS

Local Power Source:	110VAC (standard); 220VAC (optional)
Capacity:	32 Remote Gauges per MCG 5102.
RF Transceiver:	Rugged, compact, solid state transceivers. Frequency hopping spread spectrum technology meets the specific requirements of any installation.
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), (greater ranges available)
Approvals:	Complies with Part 15 of FCC rules
System Compatibility:	The MCG 5102 Wireless Base Station provides a wireless communication link for PLC's Scada systems and the following L&J Gauges systems:

MCG 3600 Mini Computer/Receiver
 MCG 3800 Inventory Control System (UNIX)
 MCG 3900 Inventory Management System
 MCG 7000 High Level Alarm System
 MCG 8100 Tank Monitoring System

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



CONTROL ROOM

Wireless S&J 92021 with MCG 2000 MAX Transmitter



Wireless MCG 1600SFI Radar



INFORMATION REQUIRED TO ORDER:

MCG 5102 - AB - CD - E

ANTENNA _____
 POWER SOURCE _____
 COMM. PORT TYPE _____

MCG 5102 WIRELESS BASE STATION

NEMA 4 enclosure

Note: Base Station can handle up to 32 Remote Stations

MODEL NUMBER SELECTION:

The model number will have a base number, **MCG 5102**, followed by 5 digits.

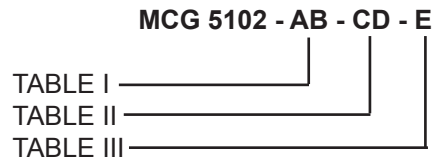


TABLE I - ANTENNA

AB

10 - 3 DB Gain Omni

20 - Directional

TABLE II - POWER SOURCE

CD

02 - 110 VAC

TABLE III - OUTPUT

E

1 - RS232

2 - USB

L&J ENGINEERING