MCG 7030 Touch Panel Alarm Monitor

Peace of Mind

The MCG 7030 Touch Panel Alarm Monitor offers complete remote checking of alarm probes through cutting-edge technology that makes the system accurate, extremely reliable and fully compatible with the MCG 1090 and the MCG 1095 Level Alarm Probes.

The MCG 7030 meets all the requirements of an independent, overall alarm system. In fact, when coupled with an existing gauging or SCADA system, the MCG 7030 can also function as an alarm data acquisition station.

Up to 128 separate alarm probes can be monitored by the MCG 7030 using a single, 4 wire data highway. If the system is used as a controller, it can monitor 48 individually wired alarm probes.

Versatility

The MCG 7030 also offers multiple communication ports. With its multitude of ports, the MCG 7030 becomes a remote alarm data acquisition device and can pass alarm data to the gauging and/or SCADA system along existing field wiring. The MCG 7030 can be interfaced to any device or host computer using industry standard protocols.

Remote Reporting

Multiple MCG 7030 units can be linked to a central monitoring of alarms from even the most remote location. The system can only provide complete self-checking when coupled with the L&J Engineering MCG 1090 Alarm Probe or with the L&J Engineering MCG 1095 Wireless Alarm Probe.

Wireless

When selecting the wireless communication option, the MCG 7030 can be used in conjunction with the MCG 1095 wireless level alarm probe for a completely independent high level alarm system. This system uses highly reliable frequency hopping spread spectrum technology with custom encrypted L&J wireless protocol.
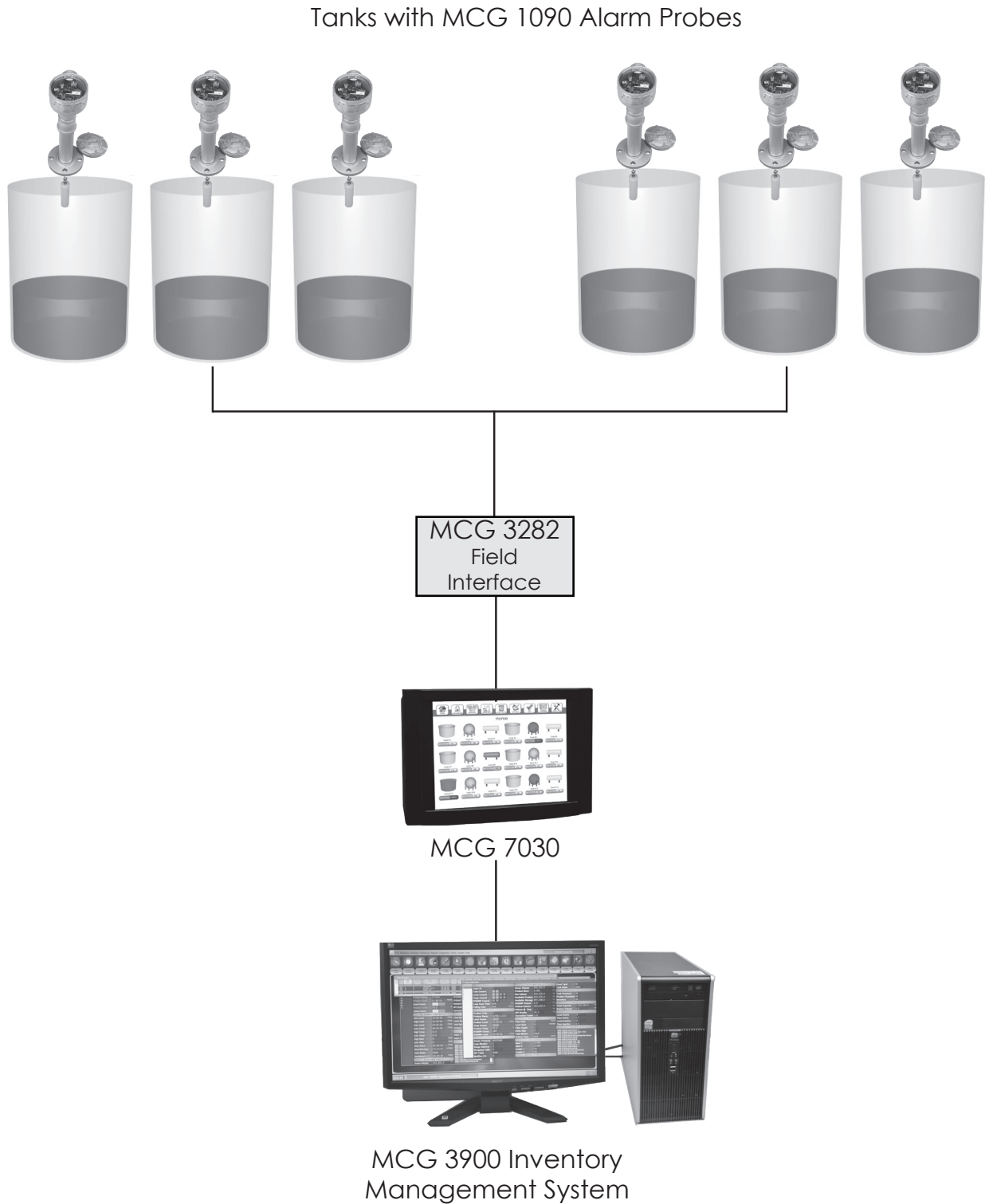
Features

- Meets EPA High Level Alarm Requirements
- Independent Alarm System When Used with MCG 1095
- True Self-Testing Capabilities

Applications

- Independent high level alarm system
- Provides alarm probe data to your Gauging or DCS system

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Typical System Layout:

Tanks with MCG 1090 Alarm Probes

MCG 3282
Field
Interface

MCG 7030

MCG 3900 Inventory
Management System

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

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Rev: MCG 7030-3H

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MCG 7030 Ordering Guide

MCG 7030 Touch Panel Alarm Monitor

Includes: Touch Panel LCD Display, Displays Probe Status, Probe Diagnostics, Alarm Status, Alarm History

Model Number Selection:

The model number will consist of a base number **MCG 7030** followed by 6 digits. These digits will represent 5 sets of option tables:

$$\text{MCG 7030 - A - B - C - D - E - F}$$

A - Number of Tanks	
0	No Tanks, Remote Display Only
1	1 to 50 (Includes Field Interface)
2	51 to 100 (Includes Field Interface)
3	Wireless to MCG 1095 (Includes MCG 5102 with NEMA 4 Housing)
4	1 to 50 (Includes Field Interface with redundant field power supplies)
5	50 to 100 (Includes Field Interface with redundant field power supplies)
6	Wireless to MCG 1097 (Requires MCG 5200)
7	1 to 50 (Field Interface Not Included)
8	51 to 100 (Field Interface Not Included)

B - Remote Communication	
0	No Remote Communication
1	Modbus on RS-232
2	Modbus on RS-485 (2-Wire)
3	RS-232 To MCG 3900
4	Modbus Over Ethernet

C - Reporting	
0	No Printed Reports
1	Printed Reports (Includes 8.5x11 Inkjet Printer)
2	Printed Reports (Includes 32 Character Thermal Printer)

D - Annunciation	
0	No Horn
1	External Horn (Relay Contact Only)

E - Power Supply	
1	110 VAC
2	220 VAC

F - Relay Contacts	
0	No Relays
1	4 Relay Contacts
2	8 Relay Contacts
3	16 Relay Contacts
4	24 Relay Contacts

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