



Meets EPA high level alarm requirements

Independent Alarm System

True self-testing capabilities

The L&J Engineering MCG 7000 Alarm Monitor

Peace of Mind

The MCG 7000 Alarm Monitor offers complete remote self-checking of alarm probes through cutting-edge technology that makes the system accurate, extremely reliable and fully compatible with most commercially available level alarm switches.

The MCG 7000 meets all the requirements of an independent, overall alarm system; it even includes an optional battery pack and charger to operate the system during power outages. In fact, when coupled with an existing gauging or SCADA system, the MCG 7000 can also function as an alarm data acquisition station.

Up to 128 separate alarm probes can be monitored by the MCG 7000 using a single, 4 wire data highway. If the system is used as a controller, it can monitor 48 individually wired alarm probes. The system uses an 80 character LCD to provide immediate alarm data, and a paper tape printer to automatically print alarms as they occur and for output of a daily event log.

Versatility

The MCG 7000 also offers two communication ports. With the 4-wire data highway port, the MCG 7000 becomes a remote alarm data acquisition device and can pass alarm data to the gauging and/or SCADA system along existing field wiring. With the RS232 serial port, the MCG 7000 can be interfaced to any device or host computer using standard ASCII protocol.

Remote Reporting

The addition of a modem to the RS232 port or TCP/IP connection allows any number of MCG 7000s to be linked to a central monitoring of alarms from even the most remote location. While most commercially available level alarm switches can be used with the MCG 7000, 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.

Applications

Independent high level alarm system

Provides alarm probe data to your Gauging or DCS system

Areas that experience frequent power outages (battery back-up)

PRODUCT DATA SHEET

MCG 7000

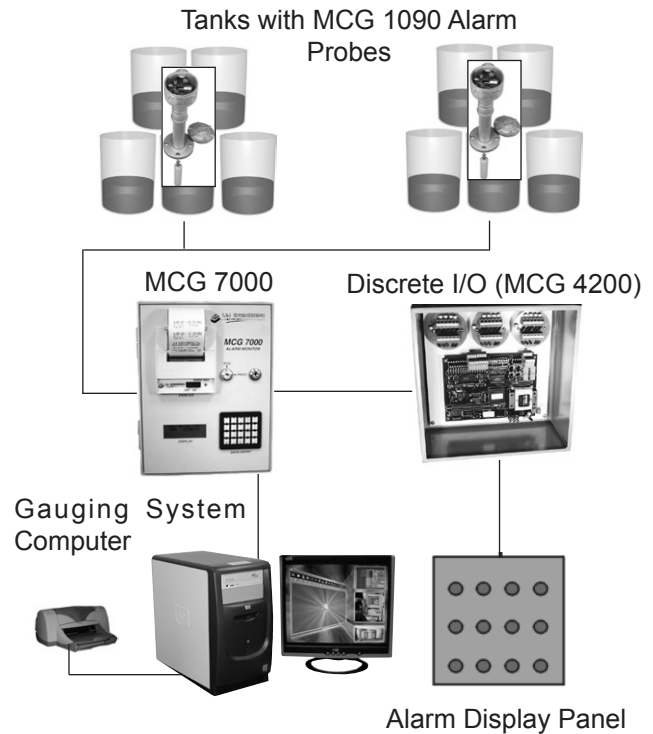
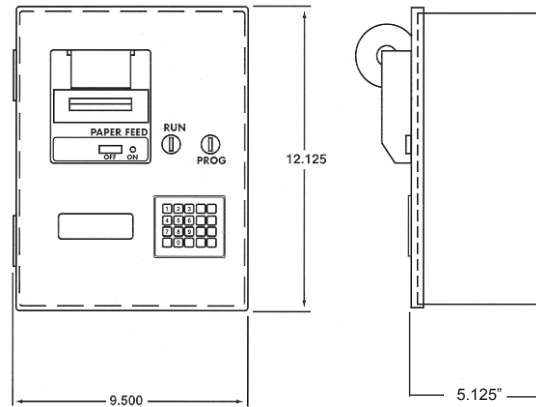
Alarm Monitor

SPECIFICATIONS

- Control Center:** 80 Character LCD Display,
20 Button Key Pad
24 Column Printer
- Inputs:** Up to 128 Probes on a 4-Wire
Digital Highway
Up to 48 Independently
Wired Probes
- Outputs:** 1 Dry Contact (standard)
Up to 4 Dry Contacts (optional)
Individually Programmed
1 Per Tank (optional using
the MCG 4200)
- Remote Comm.:** L&J Tankway
RS232 (optional),
Modem (optional)
TCP/IP (optional)
- Approvals:** UL
CENELEC
- PROBE MCG 1090:** Remote-Checking, Easy Mounting
Self-Checking when used with
MCG 7000 (L&J Highway with
Remote Checker Option
Required Explosion Proof
Class I, Div. 1,
Group C & D, UL Approved
CENELEC/ATEX
II 1/2 G, EEx d IIB T6

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

DIMENSIONS



INFORMATION REQUIRED TO ORDER:

MCG 7000 - AB - CD - EF - GH - IJ

NUMBER OF POINTS _____

REMOTE COMMUNICATION _____

HARDWARE OPTIONS _____

PARALLEL I/O _____

POWER SUPPLY _____

ORDERING GUIDE

MCG 7000

Alarm Monitor

MCG 7000 LEVEL ALARM MONITOR

Includes 32 Digit LCD Display, 24 Column Impact Printer and 20 Button Keypad

MODEL NUMBER SELECTION:

The model will have a base number, **MCG 7000**, followed by 10 digits. These digits will represent 5 sets of option tables.

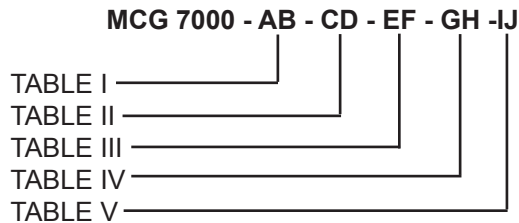


TABLE I - NUMBER OF POINTS

AB

- 01 - 1 to 20 (L&J Tankway)
- 02 - 21 to 30 (L&J Tankway)
- 03 - 31 to 50 (L&J Tankway)
- 04 - 1 to 8 (Direct Wire)
- 05 - 9 to 16 (Direct Wire)
- 06 - 16 to 24 (Direct Wire)
- 10 - Wireless (To MCG 1095)

TABLE II - REMOTE COMMUNICATION

CD

- 01 - Local Only
- 02 - RS232 ASCII Output

TABLE III - HARDWARE OPTIONS

EF

- 01 - No Horn
- 02 - Built in Horn
- 11 - Panel Mount Kit without Horn
- 12 - Panel Mount with Horn
- 21 - Rack Mount Kit without Horn
- 22 - Rack Mount with Horn

TABLE IV - PARALLEL I/O

GH

- 01 - None
- 02 - 16 Outputs
- 03 - 32 Outputs
- 04 - 48 Outputs
- 05 - 64 Outputs

TABLE V - POWER SUPPLY

IJ

- 00 - 110VAC/UL
- 01 - 220VAC/UL
- 02 - 110VAC Standard
- 03 - 220VAC Standard
- 04 - 110VAC/CENELEC
- 05 - 220VAC/CENELEC

L&J ENGINEERING