



Industry's only true complete self-testing wireless level alarm

Wireless communication

Meets State fire codes for independent alarms

Remote Self-testing

Reliable protection due to simplified mechanics

Solar/Battery/Line Power options available

The L&J Engineering MCG 1095 Wireless Level Alarm Probe

Reliable Protection... the only probe on the market with full self testing

The MCG 1095 Wireless High Level Alarm Probe brings state of the art technology to overfill protection. The competitors systems typically only check the wiring and probe electronics. The MCG 1095 includes a solenoid to physically move the displacer as an actual level would. In keeping with the L&J tradition, the MCG 1095 has gone a step further than the competition in providing high reliability and low maintenance. The MCG 1095 offers the most reliable protection available against dangerous and costly overfills.

Remote Self-Checking

Typically, a high level alarm probe is mounted in a poor environment and sits inactive for years at a time. This makes regularly scheduled testing the most important factor in reliability. The remote self-testing feature of the MCG 1095 makes regular testing of the probe easy and convenient. If coupled with the L&J MCG 7000 Alarm System, all probes can be automatically tested at pre-programmed intervals, complete with a printout of probe conditions.

Battery Operation

The MCG 1095 needs no wires at all. It contains a Lithium battery which will totally power the unit for at least 1 year. Using L&J proprietary algorithms, it instantaneously sends back any alarm conditions as well as continually checking battery conditions and probe electronics. If the battery should get low or any other abnormal condition should occur, it will immediately notify the host.

Remote Data Acquisition

For a complete alarm system the MCG 1095 probe is coupled to the MCG 7000 Alarm System. The MCG 7000 provides automatic self-checking, printouts and discrete outputs for horns, emergency shut-off, as well as an optional communications port.

Applications

Wireless Hi, HiHi, Lo level alarms

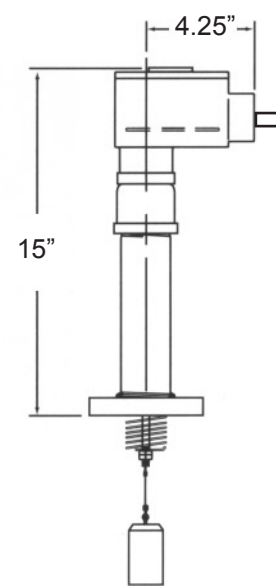
Provides for truly independent high level alarm system

SPECIFICATIONS

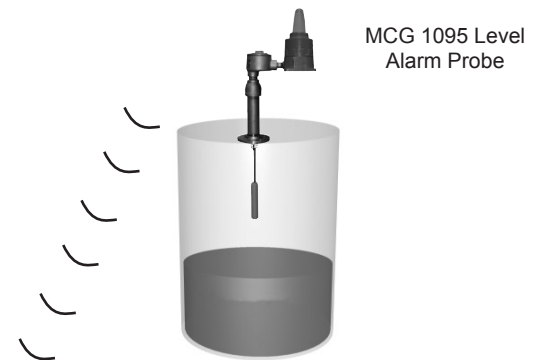
Mounting Connection:	1-1/2" or 2" NPT 1-1/2", 2", 4" or 6" Flange
Alarms:	HI, HiHi, Lo
I/O:	NC/NO, L&J, NC/NC 5V, 100mA
Self-Testing:	Automatic (L&J) Tankway Manual (24VDC), None
Material:	304 SS Housing (standard) Nylon Displacer(Std.) 316
SS(Opt.)	(Other Materials Available)
Safety Approvals:	UL, Explosion Proof Class I, Div. 1, Groups C & D, CENELEC/ATEX Grp II, Cat. 1/2 Ex IIB T6

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

DIMENSIONS



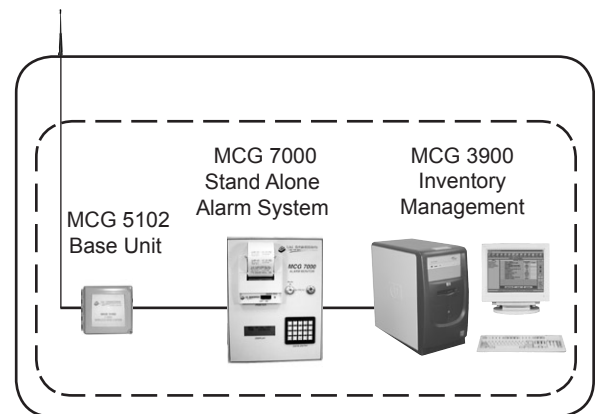
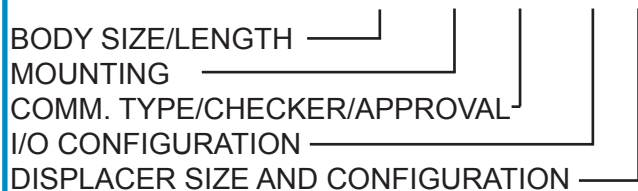
Wireless Stand Alone High Level Monitoring System



MCG 1095 Level Alarm Probe

INFORMATION REQUIRED TO ORDER:

MCG 1095 AB - CD - EF - GH- IJ



CONTROL ROOM

MCG 1095 WIRELESS HIGH LEVEL / LOW LEVEL ALARM PROBE

Includes: Probe, Displacer, 10 Ft. (3 m) of 302 S.S. Cable. Special longer cables available, please specify actual cable length.

MODEL NUMBER SELECTION:

The model number will have a base number, **MCG 1095**, followed by 10 digits. These digits will represent 5 sets of option tables.

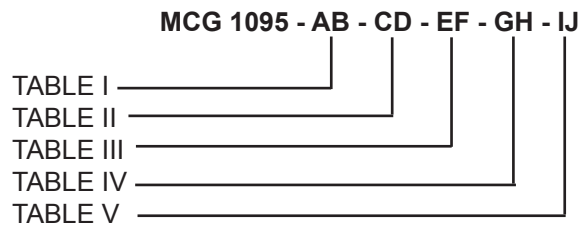


TABLE I - BODY SIZE / LENGTH

AB

- 10 - 1.5" body; 10 ft. (3 m) of 302 S.S. cable
- 12 - 1.5" body; 30 ft. (9.1 m) of 302 S.S. cable
- 21 - 2.0" body; 10 ft. (3 m) of 302 S.S. cable
- 22 - 2.0" body; 30 ft. (9.1 m) of 302 S.S. cable
- 31 - 1.5" body; 10 ft. (3 m) of 316 S.S. cable
- 32 - 1.5" body; 30 ft. (9.1 m) of 316 S.S. cable
- 41 - 2.0" body; 10 ft. (3 m) of 316 S.S. cable
- 42 - 2.0" body; 30 ft. (9.1 m) of 316 S.S. cable

TABLE II - MOUNTING (All S.S. Flanges Welded, unless otherwise specified)

BODY

C

- 0 - Special
- 2 - 1.5" 304 S.S. Body
- 3 - 2.0" 304 S.S. Body

CONNECTIONS

D

- 1 - 1.5" NPT (No flange)
- 2 - 2.0" 300# RF flange (304 S.S.)
- 3 - 2.0" NPT (No flange)
- 4 - 1.5" 300# RF flange (304 S.S.)
- 5 - 6.0" 150# RF flange (304 S.S.)
- 6 - 2.0" 150# RF flange (304 S.S.)
- 7 - 4.0" 150# RF flange (304 S.S.)
- 8 - 6.0" 300# RF flange (304 S.S.)
- 9 - 4.0" 300# RF flange (304 S.S.)

TABLE III - COMM. TYPE / CHECKER / AGENCY APPROVAL

EF

- 01 - No Remote Checker, (UL)
- 02 - Remote Checker, (UL)
- 31 - No Remote Checker, (ATEX)
- 32 - Remote Checker, (ATEX)

TABLE IV - I/O CONFIGURATION

GH

- 00 - Standard (MCG 1095 only)
- 01 - MCG 1095 and 1 Discrete input
- 02 - MCG 1095 and 2 Discrete inputs
- 10 - Explosion Proof Antenna
- 11 - Explosion Proof Antenna, 1 Discrete input
- 12 - Explosion Proof Antenna, 2 Discrete inputs

TABLE V - DISPLACER SIZE AND CONFIGURATION*

IJ

- 00 - 1.5" Nylon Single Displacer (S.G.: .65-1.00)
- 01 - 1.5" Nylon Dual Displacer (S.G.: .65-1.00)
- 04 - 1.5" Nylon Single Displacer (S.G.: .50-.80)
- 05 - 1.5" Nylon Dual Displacer (S.G.: .50-.80)
- 20 - 1.5" 316 S.S. Single Displacer (S.G.: .65-1.00)
- 21 - 1.5" 316 S.S. Dual Displacer (S.G.: .65-1.00)
- 24 - 1.5" 316 S.S. Single Displacer (S.G.: .50-.80)
- 25 - 1.5" 316 S.S. Dual Displacer (S.G.: .50-.80)

(S.G. = *Specific Gravity Range of Product*)

* Need dual displacer for Hi and HiHi Alarms