



# Linco-Electromatic, Inc.

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## LEMC® Line Filter

The LEMC® line filter is used to eliminate noise-induced problems of sensitive electronic devices. This line filter was designed to eliminate unwanted “electronic noise” or EMI (Electro-Magnetic Interference), from being induced into sensitive electronic devices such as micro-processing units, PLC’s, and analog devices. EMI is caused by motor starter contactors, static discharge, switching power supplies, pumps, microwave transmitters or radar beams and many more. To eliminate this unwanted EMI the LEMC® Line Filter incorporates specialized filters to cancel noise by inductive reactance (using one signal phase to cancel another) that allows smooth clean power to the application device.



### Line Filter Applications

- \*LEMC TA-1000 - Supply Power & Counter Inputs
- Prover Counter - Supply Power
- Detector Switch - Inputs
- PLC - Supply Power
- \*\*Analog Transmitter - Supply Power & Signal

### Specifications

Channels	2
Operating Temperature	-20° C to +115° C
Rated Voltage	240VAC rms Maximum
Rated Current	800mA rms per channel
Inductive Load	20mH
Capacitive Load	0.01uf
Transient Voltage	2000 VAC, 7000 VDC
Dielectric Strength	2KVAC for 1 min.

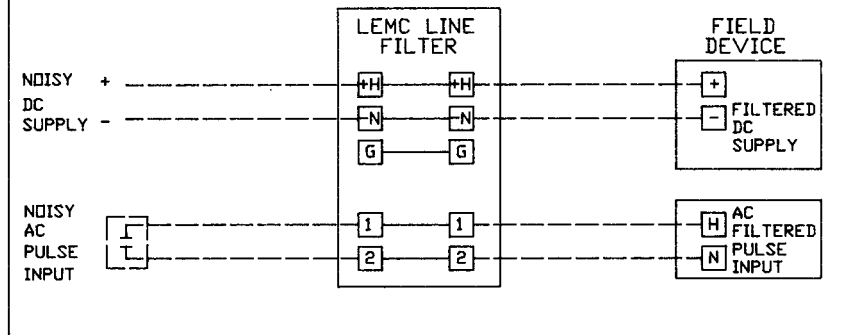
### Dimensions

W x L x H  
2.65" x 3.75" x 2.375"

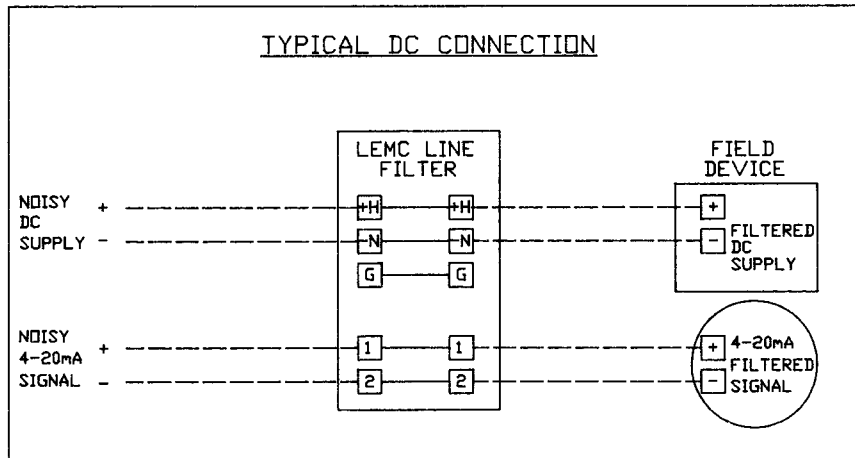
- Notes
- \* Recommended installation inside TA enclosure
  - \*\* Current Loss of .02 mA @ 4 mA
  - \*\* Current Loss of .08 mA @ 20 mA



### TYPICAL DC AND AC CONNECTION



### TYPICAL DC CONNECTION



### TYPICAL AC CONNECTION

