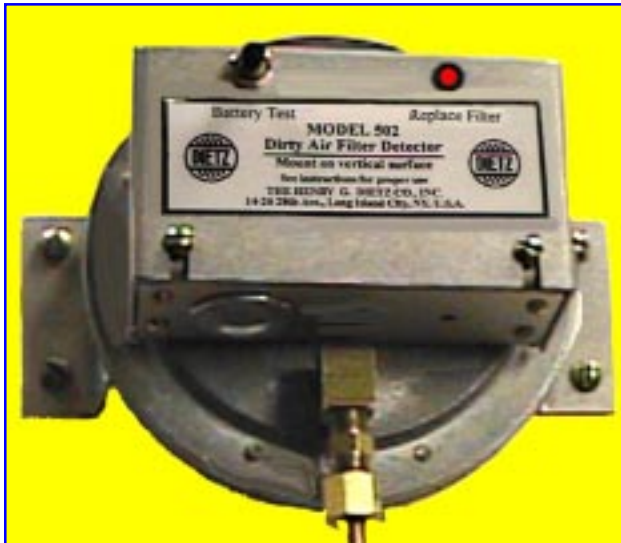


Model 502 Dirty Air Filter Indicator



MODEL 502

The Henry G. Dietz Co., Inc.'s **Model 502 Dirty Air Filter Indicator** alerts maintenance personnel when a filter must be replaced. A great advantage of using this unit is its ability to prevent alarms and air-flow interlock switches from being activated when blower efficiency is reduced by higher pressure drop caused by dirty filters.

A **red flashing LED** indicates when a filter should be replaced. **Model 502** is excellent for use in cleanrooms with either negative or positive pressurization. When used with electronic equipment, such as broadcast transmitters, it signals the proper time for replacement of air filters to avoid activation of air-flow interlock switches used to safeguard components by turning power off. Thus, costly power outages caused by taking a station off the air, can be efficiently prevented.

Installation:

Installation is extremely simple and requires no electrical connections; instead, an internal "D" battery powers a flashing visible warning continuously for approximately 2.5 years. When used in a cleanroom, the unit is installed by drilling a 1/4" hole in a vertical wall of the cleanroom. This allows it to serve as a template for mounting with 4 screws by inserting the 1/4" diameter copper tube supplied for connection to the reference pressure or vacuum from another area.

Specifications:

Model 502 can be set to detect pressure or vacuum, and be activated for any value from 0.01" W.C. to 0.5" W.C.

Size:

Unit is 6.5" wide, 5" high, and 4" deep.

Advantages:

Reduces failure rates of electronic equipment. Overheating occurs when airflow is decreased due to poor blower efficiency when working against back pressure caused by dirty air filters. **Model 502** is an excellent low cost backup for cleanrooms and will compliment installed pressurization monitors.

It uses the same technology employed in the *Dietz Model LPS 100* differential low pressure switch which actuates on pressure as low as 0.005" W. C., (or 1/2,500 ounce per square inch). This high sensitivity is beyond the present state of the art, and is the result of **50 years** of experience in detecting low pressure.

For more information, or to place an order, please call:

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