

DPMA



Cleanroom Management.

BS 5295 part 1: 1989 requires cleanroom operators to provide a system of monitoring and regularly record the differential pressures held within the clean area.

This can be difficult to manage particularly when the system is out of order at which time additional recording is required.

The Differential Pressure Monitor/Alarm system does this automatically, allowing management to concentrate on rectifying the root problem rather than worrying about whether the pressures are being recorded.

Features

- Continuous Monitoring
- 8 Channel capacity
- User set alarm limits and alarm delay period for each channel
- Lowest out of limits value retained to aid fault diagnosis
- Audible/Visual Alarm manually reset
- Wall mounted keypad and display
- Choice of Sensors
- Programmable calendar events- daily/weekly/monthly/annual

Benefits

- Automatic monitoring of cleanroom pressures.
- Ideal for the smaller facility as it can be controlled and operated by site personnel. without the need for specialist controls engineers.
- Menu screen makes set-up and interrogation simple.
- Historical data assists in analysis of alarm occurrence.

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Differential Pressure Monitor & Alarm

Installation

Each system is supplied in kit form which you will find is easily installed by any competent electrician.

It consists of a main control box; sensors; pressure tapping plates, a discrete, wall mounted interface module and all related cabling and pressure hose.

Full installation and operating instructions are included with each system kit.

Operation Of Sensor Monitor/Alarm

Through the display window and the key pad each sensor channel can be set to alarm at a different specific set point.

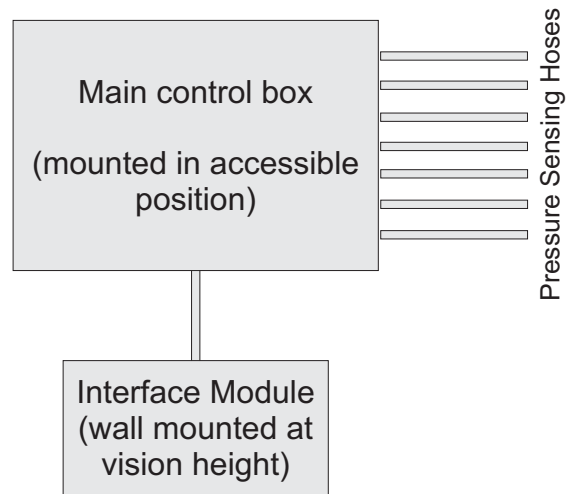
To eliminate unwanted alarms each channel can be set to specific delay periods to eliminate spurious alarms.

During alarm periods the controller will retain in memory, the pressure values recorded every 5 minutes. This data can be either read directly through the display screen or with a suitable interface on a PC or laptop computer.

The display screen gives quick visual indication as to which area is in an alarm condition and an audible warning buzzer to sound an alarm.

The audible warning can be muted.

When an alarm has been registered, it remains latched until the differential pressure has been restored in all areas where there has been an alarm condition and the manual reset button has been pressed. This ensures that alarm conditions do not occur anonymously.



No Of Channels	up to 8
Basic Controller	Honeywell Excel 50
Main Control Box	760H x 600W x 210D
Sensors Range	0 - 60Pa
Pressure Hose	20m per channel
Mains Supply	230VAC switched & Fused
Calendar	Full calendar Functions

DPMA General Information



Main Control Panel



Audible/Visual Warning



Interface Panel



Pressure Sensing Plate



Communications Cable



Pressure Sensing Hose