

P30

Air Velocity Monitor



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1. Introduction

About this manual

This manual was prepared to aid in the installation and commissioning of the P30 standalone Air Velocity Monitor.

2. About

The P30 is a battery powered Air Velocity Monitor designed to measure Air Velocity and requires no connection to an electrical source. The visual LED's indicate Red when the Air Velocity is below 1m/s and Green when the Air Velocity is 1m/s or above. The alarm level is factory set at 1m/s and other levels are available on request. The P30 is designed to operate for 18 months without the need to replace the battery pack. Under worst case conditions eg. Extreme temperatures the P30 will operate for no less than 12 months.

The P30 uses hot wire anemometer technology to accurately measure Air Velocity. The unit is equipped with a primary particle and dust separator as well as a secondary particle and dust separator to guarantee long life on the sensors.

3. Warranty

The P30 carries a one year limited warranty on all parts and labour.
(Full warranty details available on request)

4. Safety information

Only a certified electrician is allowed to carry out the electrical installation.
Breaking the seal on device will result in loss of warranty.
Electrical safety regulations must always be followed.
There are no user serviceable parts inside the P30

5. Connections

- No external connections on the P30.

6. Operation

1. The P30 has been designed to operate for 18 months but no less than 12 months.

The P30 is to be installed with the arrows pointing in the direction of the airflow

The P30 is switched on when the unit is in the upright position FIG 1

The P30 is switched off when the unit is in the upside down position FIG 2

The P30 measures the air flow at one minute intervals

For airflow below 1m/s the red LEDs flash

For airflow 1m/s or above the green LEDs flash



FIG 1 - P30 on position



FIG 2 - P30 off position

7. Technical Specifications

1. Operating voltage
 - a. CPU 3.0VDC
 - b. LED indication 3.6VDC
 - c. Air Velocity Sensor 114VDC
2. Battery pack
 - a. 1 x 3.0VDC Primary Cell (CPU)
 - b. 2 x 3.6VDC Primary Cell (LED's)
 - c. 16 x 3.6VDC Primary Cell (WS Sensor)
3. Led indication
 - a. 4 x Super Bright RED light emitting diodes
 - b. 4 x Super Bright GREEN light emitting diodes
4. Air Velocity Sensor range
 - a. 0 – 10 m/s

8. Terms and conditions

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