



FUNCTIONAL SPECIFICATIONS

The GPSPLUS I-4 system is a kit to cover one zone up to 100 metres long. It comprises a processing unit (PGPSPLUS/I-4/C), one sensor (PGPS2001/2) one compensation valve (PGPS242) and the management software. To complete the necessary material for the installation the GPS tubes (PGPS195), the special fluid (PGPS606), and the connection cable (PUCP2114) between analyser and sensor must be added.

The system can be expanded up to 4 zones by adding one, two or three sensors (PGPS2001/2), and the respective compensation valves (PGPS242), the tubes (PGPS195) and the cable (PUCP2114).

The analyser PGPSPLUS/I-4/C can manage up to 4 sensitive zones of the differential pressure system, each up to 100 metres long. It is a Stand alone analyser with alarm outputs directly onboard.

The signals generated by the GPS sensors (PGPS2001/2) are digitised using a 12 bit A/D converter; then analysed with a digital filter to check, in the frequency domain, the signal energy at various frequencies.

The accuracy of this signal processing allows the generated signals to be identified so that it can discriminate the signals typically generated by atmospheric phenomena such as wind, rain, hail, from the signals generated by crossing the sensitive zones.

TECHNICAL SPECIFICATIONS

Application	Analyses the GPS signal to detect crossing on the sensitive area
Power supply	10.5-16Vdc, 220 mA (max) @ 12Vdc
Input	Signal from the GPS sensors
Relay output	8 output
Auxiliary input	8 Input NC
Relay rating	12V (max), 100 mA (NC contact with a 22 series resistor)
Internal indications	Alarms and fault Leds
Connection interface	USB
Setup system parameters	Via Software
Dimensions	260x 160x 90mm
Weight	2 Kg
Box material	Aluminium
Working temperature	-30°C - +70°C
Installazione	Suitable for indoor installation

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