

Flowguard

Art.No. 13-600

Geovent Flowguard can be connected to different sensors that measures both pressure & flow. The Flowguard can be used purely as a control unit, which e.g. gives an alarm signal when there is a wrong pressure. By using an extension module, it can also give a 0 -10 V signal to control board for the frequency inverter or modulation damper. The Flowguard is an indispensable component in the energy optimized extraction system, because the Flowguard can give a sign to the frequency inverter to reduce or increase the pressure, so that you always have the correct and economical flow.

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Effective spot extraction

Geovent Flowguard



Features:

- Gives an alarm signal when there is a change in the pressure whether the problem is before or after the sensor.
- Registers even very small changes in the pressure.
- Easy connection/assembly..
- Forsynet med potentialfri relæudgang
- 200 - 1000 Pa Pressostat and hose with mounting kit are included in the supply

Options:

- Extend with energy saving modules
- Battery backup
- Connection of different flow and pressure sensors

Technical specifications

Connection	220 - 240 VAC
Energy consumption	Max. 5,5 Watt
Measures	140 x 80 x 45 mm
Delay before alarm	FL sensor ca. 1 min. as standard. FP sensor ca. 2 min. as standard. The time is dependent on the air velocity.
Medietemperatur	-10°C - 100°C
Temperature stability	+/- 30°C
optional alternative pressure sensitive switch	Pressure switch, 20 - 200 Pa Pressure switch, 50 - 500 Pa Pressure switch, 500 - 2500 Pa
Relæ output	NO/NC max. 250 VAC, 10 A
Battery backup	9 V, alcalic or Ni-MH rechargeable battery - (option).

Ordering table for Flowguard

Art.no.	Model
13-600	Flowguard, with alarm (diode & bipper) and pot. free relæ output
13-610	Module for control of frequency inverter
13-611	FL sensor for clean air
13-612	FP sensor for particles
13-614	SL sesor for frequency control and particles.
13-615	Wire less radio transmitter/receiver for remote start/stop of fan/motor damper with relay output, 1x230V 10A.
13-616	Inductive rmodule (PowerDetektor in Flowguard)
13-080	External red alarm lamp - 1x230V
13-081	External sirene - 1x230V, 100 dB(A)

GEOVENT

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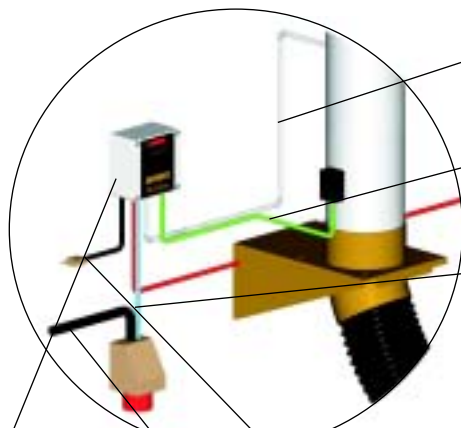


August 2003

MultiBox



MEF-450-3
Box fan with frequency inverter



MULTIBOX
Regulates & monitors you extraction system

CLEAR HOSE =
Measures the local UNDER pressure & the value in the display on the MultiBox.

GREEN CABLE = Controls & gives power to the energy conserving damper through the in built power supply in the MultiBox

BLUE CABLE = Shielded cable for inductive sensor which is build into the power socket
- Senses if the welding machine is in use & gives a signal to the MultiBox, which opens the energy conserving damper

230V Power supply

400V Supply for CEE-switch

RED CABLE =
Start/stop of the fan as a function of the inductive sensor

YELLOW CABLE =
Analog 0-10V signal for speed regulation of fan

CLEAR HOSE =
Measures the under pressure (10-9990 Pa) in the channel system through the pressure transducer in the MultiBox

WING-ARM Ø160X3M with wall bracket

24V ENERGY CONSERVING DAMPER 0-90° in 1 second



WELL TESTED CONSTRUCTION

GEOVENT MultiBox is a 3. generation ventilation control unit based on the latest micro processor technology.

5 POSSIBILITIES IN ONE BOX

GEOVENT MultiBox can be used for pressure measuring, control, regulation & monitoring (with build in alarm) of system for process ventilation in the pressure area 10-9990 Pa. The MultiBox can furthermore be used as a power supply for the quick turning motor damper HMO-24.

EASY TO USE

The MultiBox is specially useful for dynamic pressure regulation of systems with regulation dampers &/or fan w/integrated frequency inverter. The wanted pressure or flow (Pressure difference) is coded as a fix point, where after the build in regulator will adjust the damper or the frequency inverter. The alarm is activated, if the regulation does not keep the pressure/flow within the fixed alarm parameters.

FEATURES

- Speed regulation of fan with frequency inverter through a analog 0-10VDC signal
- Control of 24V motor damper - On/Off control of 24V motor damper
- 18W 24VDC power supply for fx. motor damper
- Monitoring of pressure/flow with acoustic & visual alarm
- Pressure measurement with 4-digit display which visual shows the present pressure in Pascal
- Input for light sensitive switch -Can activate fan or damper when the welding process starts
- Input for inductive sensor - can activate fan or damper, when fx. the welding machine, grinder or lathe are turned on
- Build in pressure transducer 10 - 9990 Pa
- 230V connection

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PowerDetektor^{Ar}

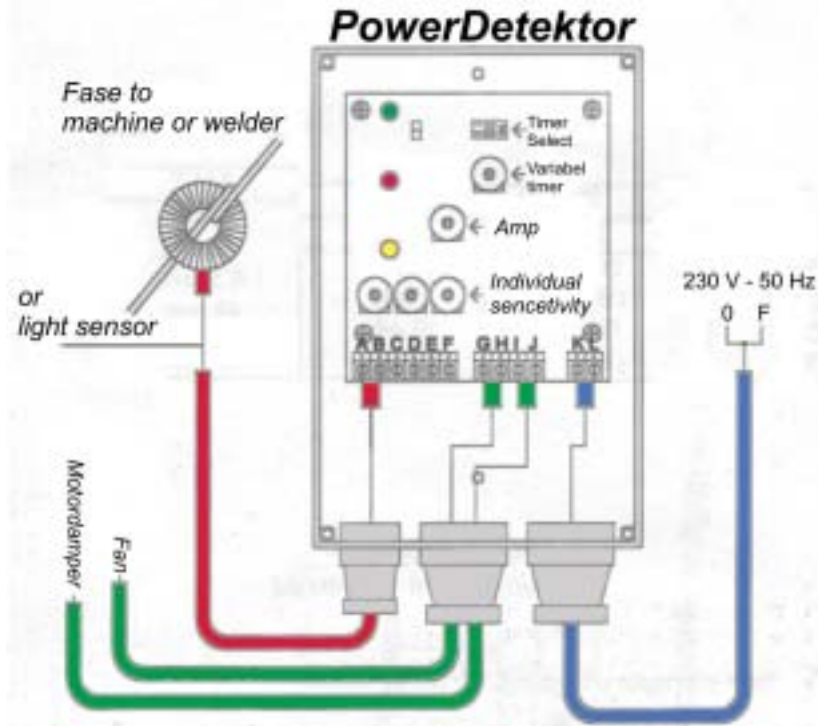
Art.no. 13-056 / 13-046

The PowerDetektor feels whether the drilling-/ grinding-/ or weldingmachine etc. are in use, and opens a damper and / or switch the Fan on. Saving energy is a direct result of this, in the shape of less energy consumption and a saving of the heat expenses, because the system is only activated when it is necessary. When the system is switch on automaticly, the use of the spot extractionsystem will also increase, and give a more productive and enviromental workingplace.

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Effective spot extraction

Geovent PowerDetektor



Ordering table for PowerDetektor	
Art. No.	Description
13-046	PowerDetektor - 3 input / 1 output
13-056	PowerDetektor - 1 input / 1 output
13-047	Inductive sensor for PowerDetektor
13-050	IR sensor for PowerDetektor

Features:

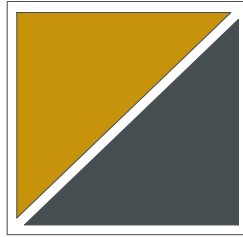
- Easy connection/assembly.
- Connection of up to 3 machines (only 13-046).
- Sensitive adjusting of each separated machines.
- Optional extraction retention delay within a variable timeperiod.
- Switch on the system automatically, save energy and furthermore the system is used more, so an improved workingplace is obtained.
- Flexible mount of the Indusive sensor/IR sensor.

Timer select			
1	2	MIN	MAX
OFF	ON	0	12 sek.
ON	OFF	1 sek.	49 sek.
ON	ON	10 sek.	6,5 min.
OFF	OFF	80 sek.	49 min.

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GEOVENT

Documentatie en handleidingen van Geovent zijn in de Engelse taal. Enkele exemplaren zijn ook in de Duitse taal verkrijgbaar. Geovent heeft echter geen Nederlandstalige versie. Door continue productontwikkeling zijn de productbladen aan wijziging onderhevig. Op onze website www.puntafzuiging.nl zullen wij steeds de nieuwste publicaties van Geovent publiceren.

U moet deze informatie zien als uitbreiding op de technische informatie die wij op onze website PuntAfzuiging.nl hebben opgenomen.

Heeft u aanvullende vragen, neem dan gerust contact met ons op.



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