

For broken bag detection & environmental measure

Triboelectric **Dust Switch**

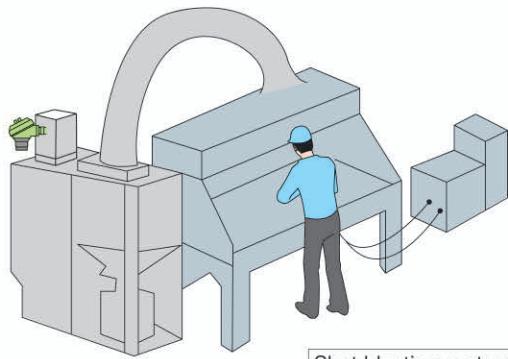
PFM Series



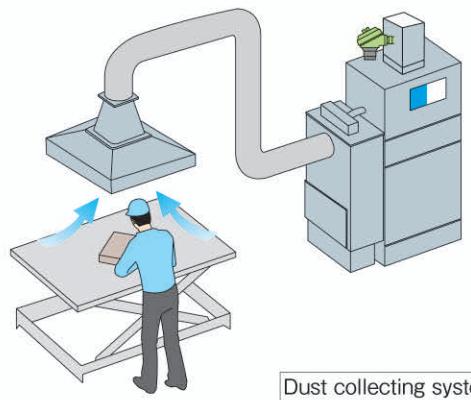
Features

- DUST SWITCH is working environment protection sensor which is possible to mount general-purpose small size dust collector to monitor the filter condition.
- Light weight and compact (amplifier integrated)
- No difficult adjustment required
- NPN output possible to connect directly with PLC

Application example



Shot blasting system



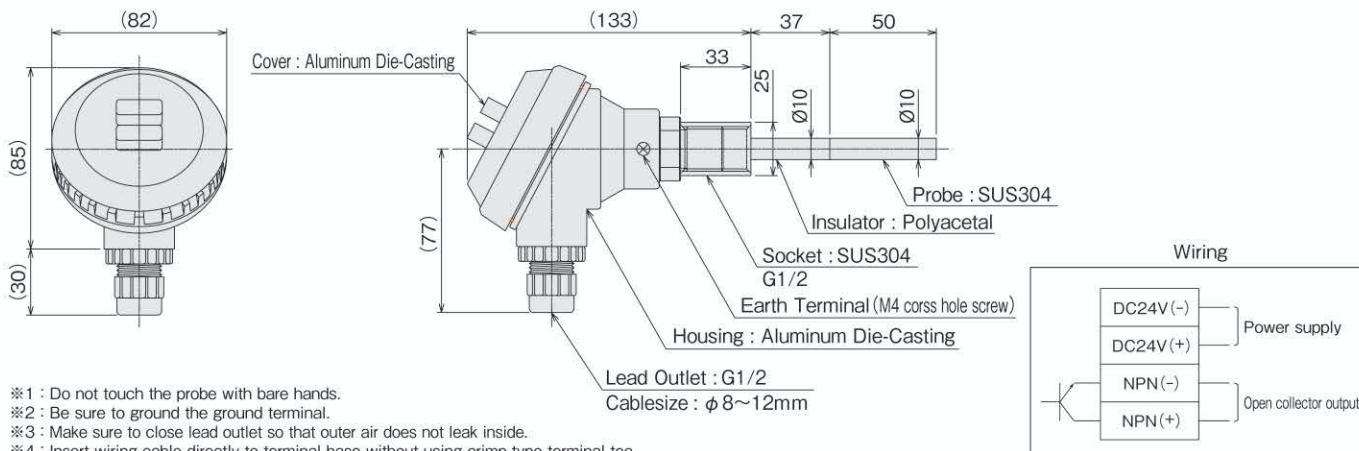
Dust collecting system

Specifikation

Model	PFM-DSW10
Construction	Sensor with integrated transducer
Power supply	24VDC ±10%
Power consumption	2W
LED display	Power lamp Green (ON=lighting) Detect lamp Red (ON=lighting)
Output signal	Open collector output 1 output (NPN)
Output capacity	Load voltage:DC5-30V, Load current:50mA Max
Enclosure	Protection Rating:IP54 (Cover and lead outlet must be properly tightened)

Dimension	Probe 50mm (below insulation part)
	insulator 50mm
Material	Probe : SUS304
	insulator : Polyacetal (POM)
Housing	Aluminum Die-Casting
	Allowable temperature 0 to +55°C
Allowable humidity	90% max. (Without condensation)
	Sensor mounting G1/2 screw(G1/2 socket)
Approx. Mass	0.5kg

Dimension (mm)



※1 : Do not touch the probe with bare hands.

※2 : Be sure to ground the ground terminal.

※3 : Make sure to close lead outlet so that outer air does not leak inside.

※4 : Insert wiring cable directly to terminal base without using crimp-type terminal tec.

Specifications are subject to change without notice.

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- Caution
 - Read the instructions to ensure correct and suitable application of products.
 - Contact our nearest sales office when using our products for any systems used in situations which may be life threatening.

Distributor



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