NTI P/N: ENVIROMUX-AFM

Photo enlarged

Fan & Filter Fan
Air-flow Monitor

- *Reliable mechanical switch contact*
- *Small size*
- *Easily installs via clip or clamp*
- *Versatile fields of application*

The ENVIROMUX-AFM air-flow monitor provides a simple but reliable alternative to indicate positive or negative air flow of fans. When properly installed and connected in series with an optical (i.e. LED) or audible signaling device, a bi-directional switch will activate an electrical contact if the air flow of the fan stops, thus either turning the signaling device on or off.

Technical Data

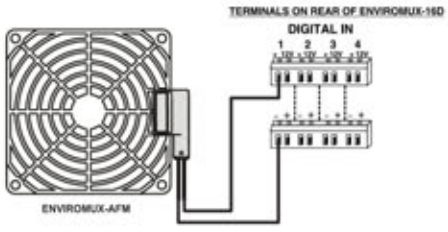
Contact type:	Reed / magnet contact
Mounting position:	Air-flow monitor opening perpendicular to air flow
NO (normally open)	Contact closed with air flow
Max. switching voltage:	**DC** 60 V
Max. switching current:	**DC** .17A
Connection:	2 x single strand AWG 26, length 500 mm, tip of stranded wire stripped/tinned (5 mm)
Mounting:	Attachment clamp and/or clip, or integrated in protective grill (see below)

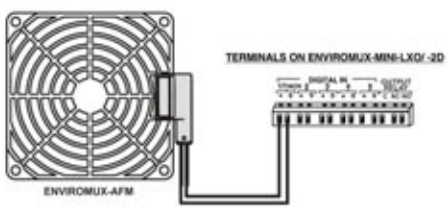
Application: The air-flow monitor can be used in combination with optical or audible signaling devices (such as LED's or alarms), or remote monitoring devices. It should be connected:
A) in series directly with the signaling device itself, if the power of the connected device does not exceed the electrical ratings of the ENVIROMUX-AFM as listed, or
B) to the pilot switch side of a relay, if the signaling device to be switched exceeds the electrical ratings of the **ENVIROMUX-AFM** and needs to be switched via relay. In this case, a properly sized relay should be specified by the customer for the specific application/device.

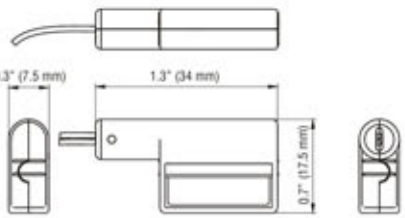
Installation notes:
To avoid possible interference problems, a suitable distance from the following must be guaranteed, preferably through prior testing:
- magnets (permanent magnets) and ferrous metals (e.g. sheet metal)
- electromagnetic fields and inductive loads (e.g. caused by transformers, motors, etc.)

The air-flow monitor must be positioned directly in the air flow in a dust-free and contamination-free environment. Avoid installing in areas where air pockets or turbulence can be expected.

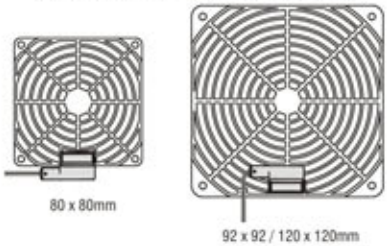
Protective Grill	Dimensions	Weight (approx.)	Flap Position		Contact		Description	Recommended use
			No Airflow	w/ Airflow	No Airflow	w/ Airflow		
no	1.3 x 0.7 x 0.3" (34x17.5x7.5 mm)	0.2 oz.	Closed	Open			NO - normally open Contact closes when air flow begins	Use to turn a signaling device ON to indicate **air flow**







Air-flow monitor integrated in protective grill



Specifications are subject to change without notice. Suitability of this product for its intended use and any associated risks must be determined by the end customer/buyer in its final application.

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