OMRON

The Clogged Conditions of Air Filters for detection Server Computers, including Workstation Servers.

Detects the clogged conditions of air filters more efficiently than a conventional time totaling meter.

Adopts a velocity of the wind monitor employing an NTC thermistor to output 0 to 5V analog voltage signals.

Ordering

Model

D6A-N

Specifications and Rating

Mounting method	Front fixation secured with nylon rivets (see External Dimensions for the fixation dimensions of the Sensor)
Temperature device	NTC thermistor (epoxy resin coat)
Detection method	Velocity of the wind monitor method (80 ºC own heating type)
Connector	Japan Aviation Electronics Industry's IL-Z Series
Operating temperature	0 ºC to 45 ºC (with no icing)
Storage temperature	-25 ºC to + 65 ºC
Operating humidity	25 to 85%RH
Storage humidity	25 to 85%RH
Applicable gas	Air
Range of velocity of the wind detection	0.5 to 1.5m/sec.
Mounting direction	Mount the Sensor so that the ventilation opening will be located vertical to the wind direction.
Drive power supply	12V DC asd ± 10%
Operating environmental conditions	The Sensor must be free of oil, moisture, and/or dust. Otherwise, the thermal diffusion characteristics of the Sensor will change.

Cortions : Judge the degree of clogging condition from a voltage differential based on the initial voltage obtained when the filter is clean.
One minute will be required for the stabilization of the Sensor after the Sensor is turned on.

Performance

Head	Test method	Criteria
	• Power supply voltage: 12.0V DC	
	• Load resistance: 1M	
(1) Output voltage characteristics		