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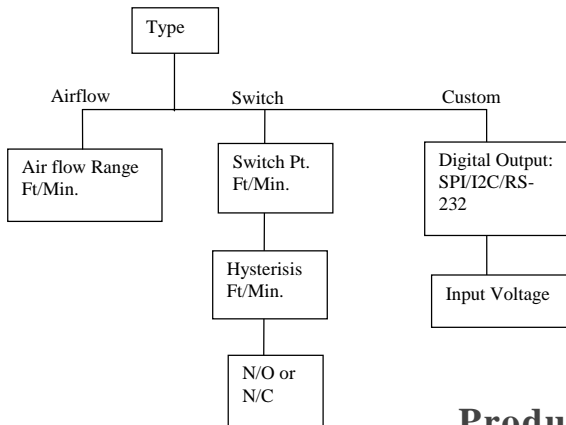
PCI-1007

Embedded Air Flow Sensor/Switch



PCI's 1007 is a low cost, solid state, air flow sensor/switch designed for embedded applications. It's unique design allows for many years of operation without the need for re-calibration. Separate channels for airflow and temperature minimizes the effect of self heating.

The PCI-1007 is positioned to be easily configured to a customer's specification. Multiple output configurations are available (an electrically isolated PWM signal is standard), as well as a variety of voltage inputs. Different cabling options are also available.



Product Specification

Characteristic	Min	Typ	Max	Units	Conditions
Supply Voltage	8	12	24	Volt D.C.	Custom input voltage versions available
Supply Current		20	50	mAmps DC	
Operating Temperature Range	0		65	Deg. C.	Extended Range Available
Humidity Range	5%		95%	RH	Non-Condensing
Measurement/Switch Airflow Range	20		10,000	Ft/Min	+/- 10% Accuracy over temperature
Hysteresis					User specified
Switch/PWM Isolation			2500	VAC	
Switch/PWM Blocking voltage			350	Volts	
Switch/PWM Current			100	mAmps	
PWM Frequency	480	500	520	Hz	
PWM Duty Cycle	0		255		255 – Max. Range/ 0 – Min. Range