

# Air Flow Sensor F6201-1



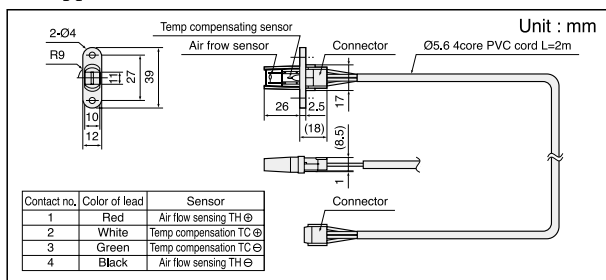
## ■ Features

- This air flow sensor employs highly stable self-heated thermistor as a detecting element.
- It has might power in measuring breeze as it employs a self-heated thermistor as the detecting element.
- The air flow sensor unit F6201-1 is consisted of model AS501-1 air speed sensor and originally designed HIC.
- Operating signal for relay is output by open collector method.
- It supplies analog output signal that corresponds to air speed.
- Actuate point of the relay can be arbitrarily set by using variable resistor which is connected with its outside terminals.

## ■ Specifications

Item	Type	F6201-1
<b>Operating air speed range</b>		0 m/s ~ +20 m/s
<b>Alarm setting part</b>	<b>Alarm output</b>	Open collector system ( Two position action ). Max. output current 75 mA
	<b>Width of hysteresis</b>	Approx. 0.05 V ( e.g. ON-OFF : 1 m/s ~ 1.1 m/s )
	<b>Delay time</b>	Time constant approx. 6.6 sec. ( Smoothing Circuit averages instantaneous changes in air speed, eliminating relay " Hunting " ).
	<b>Alarm setting method</b>	According to HIC connection ex., set input voltage for No. 8 pin equal to standard output voltage of No. 11 pin as required. Also No. 7 pin is high air speed side ; No. 9 pin is low air speed side.
<b>Analog output</b>	<b>Output</b>	Refer to characteristics of output ( non-Linear ). Max. output current 10 mA.
	<b>Response time for air speed change</b>	Time constant approx. 1 sec.
<b>Range of temperature compensation</b>		0°C ~ +50°C
<b>Accuracy of temperature compensation</b>		± 5% of measured value +0.1 m/s
<b>Measuring atmosphere</b>		Normal pressure, normal air
<b>Operating atmospheric range</b>		0°C ~ +50°C, 15% ~ 85% RH ( without dewing )
<b>Power source</b>	<b>Voltage</b>	12 V ± 0.5 V d.c.
	<b>Limit of fluctuation</b>	± 0.01 V
	<b>Current capacity</b>	70 mA + exciting current of relay etc.
<b>HIC dimensions</b>		33 mm × 25 mm × 6 mm, Pin spacing 2.54 mm

## ■ Appearance and Dimensions



## ■ Example of Connection

