AIR VELOCITY TRANSMITTER
AVS-200

DESCRIPTION

The **Kele AVS-200** is an **electronic air velocity transmitter** for use in HVAC systems, laboratories, and industrial applications. It features three DIP switch-selectable velocity ranges and voltage and current analog outputs. The **AVS-200** also has a selectable time constant (the time it takes to register 63.2% of a velocity change) of 3 or 10 seconds. The sensing probe has an adjustable insertion length of up to 8" (20.3 cm) and a 4.5' (1.4 m) cable.

AVS-200

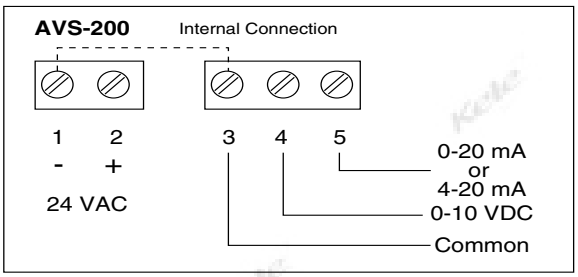
FEATURES

- ***Three DIP switch-selectable velocity ranges***
- ***Two analog outputs***
- ***Selectable time constant***
- ***Dust- and splash-proof (IP44) enclosure***

SPECIFICATIONS

Supply Voltage	24 VAC ±10%, 50/60 Hz
Supply VA	5 VA
Accuracy	±5% of measured value plus 0.5% of measuring range
Output Signal	0-10 VDC, 0/4-20 mA
Loads	0-10 VDC output: 1kΩ minimum resistance; 4-20 mA output: 600Ω maximum resistance
Velocity Range	0-1000 fpm (0.5.1 m/s), 0-2000 fpm (10.2 m/s), or 0-3000 fpm (0-15.3 m/s); DIP switch selectable
Wiring	4.5' (1.4 m) cable from transmitter to probe; screw terminals inside transmitter housing
Probe Length Range	Adjustable 1" to 8" (2.5 to 20.3 cm)
Repeatability	0.5% of measuring range
Temperature Effect	Maximum 0.1%/°C (0.2%/°F)
Time Constant	63.2% for 3 or 10 seconds
Operating Temperature	
Electronics	32° to 122°F (0° to 50°C)
Sensing Tip	-4° to 140°F (-20° to 60°C)
Enclosure Rating	IP44
Weight	1.8 lb (0.8 kg)
Dimensions	
Enclosure	5.7"L x 3.1"W x 2.2"H
Sensor	9.96" (25.3CM) long
Approvals	CE, RoHS
Warranty	1 year

WIRING



Note: Any device sharing a transformer with the AVS-200 must have a common power negative "-" and signal negative "-" terminal, and polarity must be observed. Otherwise, a separate transformer must be used.

INSTALLATION

The sensing probe must be installed through a 5/8"(16mm) hole in the duct with the arrow on the mounting flange pointing in the direction of the airflow. The tab on the mounting flange should be aligned with the line on the probe to ensure proper airflow measurement. The insertion length is adjustable. Loosen the set screw, and move the probe to the selected position. The scale on the probe shows the insertion length. Always install the sensing probe downstream of filters and coils. Avoid placement directly in the outside air stream. For best accuracy, locate the sensing probe a minimum of 10 duct diameters (or widths) upstream of any obstruction and a minimum of 10 duct diameters downstream.

ORDERING INFORMATION

MODEL	DESCRIPTION
AVS-200	Air velocity transmitter

RELATED PRODUCTS

691-K0A	Control transformer, 120:24 VAC, 40 VA, Class 2