



EWSD-2

### Wind Speed & Direction Sensors

These products are suitable for measuring wind speed or wind speed and direction in such applications as automatic window closure in high wind conditions or general monitoring applications. They can be operated with zero power and are suitable for wiring into BMS systems.

**Features**

- IP65

**Specification**

Electrical conns.: 3m Cable  
 Ambient Temperature: -20 to +70°C

#### EWS... Series

Type	Part No.	Price Each
Wind Speed Sensor	<b>EWS-4</b>	£417.00
Wind Speed & Direction Sensor	<b>EWSD-2</b>	£670.00

### Wind Speed & Direction Sensor 0-10VDC

This product is suitable for measuring wind speed, wind direction or both. It can be used for automatic window closure in high wind conditions or general monitoring applications with BMS systems. The 0-10vdc output signal is linear for both wind speed & direction.

**Features**

- IP65 Sensor
- IP30 Control Box

**Specification**

Electrical conns.: 3m Cable  
 Ambient Temperature: -20 to +70°C

#### EWSD-10 Series

Type	Part No.	Price Each
Wind Speed & Direction Sensor	<b>EWSD-10</b>	£411.00



EWSD-10

### Air Velocity/Averaging Pitot Tubes

These units consist of tubes with holes along the length which can be used to sense the average air velocity across air ducts. Suitable for use with our EDT.. Air Differential Pressure Transmitters.

**Specification**

**EVP-300 / EVP-500** - These units can be installed from outside the duct and the tubes are self-supporting.

#### EVP... Series

Length mm	Mounting	Pressure Connection	Tube Material	Price Part No.	Each
300	1 Flange	Brass 6mm Push-on	Brass 6mm OD	<b>EVP-300</b>	£29.00
500	1 Flange	Brass 6mm Push-on	Brass 6mm OD	<b>EVP-500</b>	£29.00



EVP...

### Air Velocity Transmitters

To measure the air velocity in HVAC ducts and provide a linear 0-10vdc output signal across the range. The unit operates on a thermal principle based on the cooling effect from the air speed.

**Features**

- IP65

**Specification**

Output signal: 0-10VDC  
 Accuracy: ±1% at mid range at 20°C

#### EAV... Series

Mounting	Range m/S	Part No.	Price Each
Duct	0 to 4	<b>EAV-4</b>	£87.00
	0 to 8	<b>EAV-8</b>	£87.00
	0 to 16	<b>EAV-16</b>	£87.00



EAV...

### Air Flow Switches

Detects air flow in ducts to monitor fan operation and switches in the event of flow failure. It is suitable for non-aggressive and non-combustible clean air/gases.

#### EAA... Series

Min. Adjustment		Max. Adjustment		Max Velocity	230VAC SPDT	Rating	Part No.	Price Each
Cut-in	Cut-out	Cut-in	Cut-out					
2 m/s	1 m/s	9 m/s	8 m/s	15 m/s	15(8)A	IP54	<b>EAA-1</b>	£29.00
						IP65	<b>EAA-1W</b>	£33.00



EAA-1...



## Wind Speed & Direction Sensors

The AV-WS measures wind speed providing a pulsed output and is intended for applications where external weather conditions influence the building control strategy, such as for the automatic closing of windows. A mounting arm and U bolts for pole mounting are included.

### Specification

Electrical conns: Flying lead (3m long)  
Ambient range: 20°C to +70°C

### AV-WS Series

Type	Part No.	Price Each
Wind Speed Sensor	AV-WS	£413.25
Wind Speed & Direction	AV-WAD	£661.25

## Single-Point Air Velocity Sensor

The new AV-DSP is a single-point, multi-range air velocity transmitter with user selectable 0-10VDC or 4-20mA outputs and four user selectable measurement ranges. The unit has a built-in self-test feature and the user can manually override the output to 0%, 50% or 100% of output range to aid commissioning.

### Features

- User selectable 0-10VDC or 4-20mA outputs
- Built-in self-test feature
- Built-in manual override facility for 0%, 50% or 100% of output range
- Durability and resistance to chemical reagents

### Specification

0 to 4 m/s, 0 to 8 m/s, 0 to 16 m/s, 0 to 32 m/s selectable ranges

Accuracy ( $\pm$  3% of range):

0 to 4 m/s,  $\pm$ : 0.12 m/s  
0 to 8 m/s,  $\pm$ : 0.24 m/s  
0 to 16 m/s,  $\pm$ : 0.48 m/s  
0 to 32 m/s,  $\pm$ : 0.96 m/s

### AV-DSP Series

Type	Part No.	Price Each
Air Velocity Sensor	AV-DSP	£105.75
<b>Accessory</b>		
Duct Probe adjustment flange	DPA	£12.75

## Air Flow Switch

This Paddle Switch is intended to monitor air flow within a duct and provides a switched output on detection of either a specific air velocity or flow failure.

### Features

- Adjustable switching point
- Lid-mounting screws provide tamper proofing

### FS-521 Series

Description	Part No.	Price Each
80 x 175 mm Paddle Switch	FS-521	£30.25

## Fan Speed Controllers

Remote control via 0-10VDC or 4-20mA signal. Suitable for direct connection to BMS or transmitters.

### Features

- IP54

### FC-ERV Series

Type	Part No.	Price Each
1A	FC-ERV1	£73.50
3A	FC-ERV3	£87.25
5A	FC-ERV5	£90.00
10A	FC-ERV10	£113.00

## Manual Speed Controllers for small motors

Manual control for small, single-phase motors up to 4 amps. Suitable for wall and/or flush mounting.

### Features

- IP54

### FC-MTY Series

Type	Part No.	Price Each
1A	FC-MTY1	£33.25
2A	FC-MTY2	£38.75
3A	FC-MTY3	£59.75

## Air Velocity Transmitters

### Specification

Output signal: 0-10VDC and 4-20mA

### TPESF Series

Range m/s	Part No.	Price Each
0 to 8 or 0 to 16	TPESF-35-2	£106.25

