

Wind Speed & Direction Sensor



Wind Speed & Direction Sensor

Applications

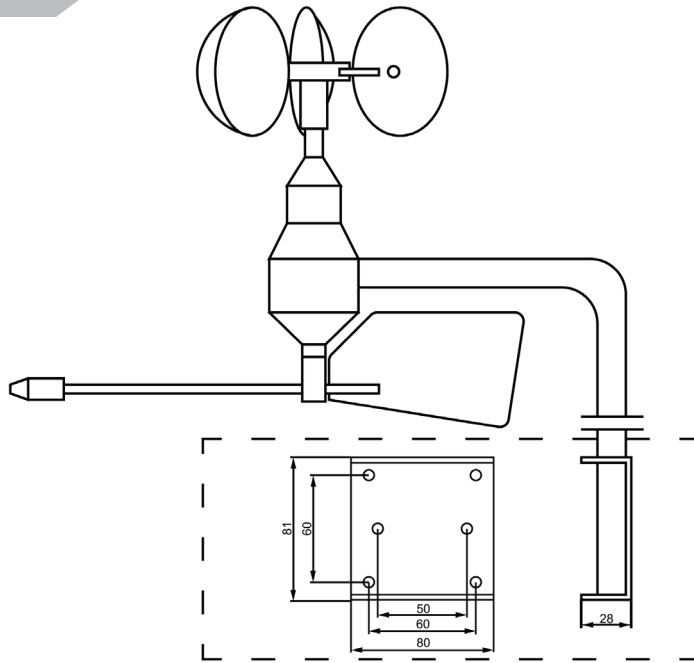


Features:

- The AV-W series accurately measures the wind speed and direction (AV-WAD only), providing output signals compatible with most BEMS controllers
- Intended for applications where external weather conditions influence the building control strategy, such as for the automatic closing of windows in high wind conditions.
- Low inertia cup assembly for fast response
- Magnetically operated mercury wetted reed switch for bounce-free pulse output
- Direction sensor 360° endless travel

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Technical Drawing



The AutoCAD drawing for this product can be found at www.secontrols.com



Technical Data

Sensor

PRODUCT	WIND SPEED & DIRECTION SENSOR
OPERATING EFFICIENCY	+/- 2%
MIN. START SPEED	0.5m/s
CONSUMPTION (MAX)	12W
MAXIMUM VOLTAGE	24V dc
AMP DRAW CURRENT	0.5A
MECHANICAL TRAVEL	360° (endless)
ELECTRICAL TRAVEL	357° (+/-2°)
OUTPUT	0-10V dc plus a bounce free single pulse per revolution
RESISTANCE TOLERANCE	+/-3%
LINEARITY TOLERANCE	+/- 0.5%
CABLE INFORMATION	Belden 9503 (3 pairs)
AMBIENT RANGE	-20°C to +70°C
DIMENSIONS OF SENSOR	HEIGHT: 280mm MAX. ARC: 120mm
IDEAL LOCATION OF SENSOR	between 2 and 9 metres from ground level
PROTECTION DEGREE	IP65

PRODUCT	PRODUCT CODE
WIND SENS.	NVS00020013
WIND & DIRECTION SENS.	NVS00020014

Note: Keep away from power cables/units which may cause interference.

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