

Wind Speed & Direction Sensor



Wind Speed & Direction Sensor

Applications

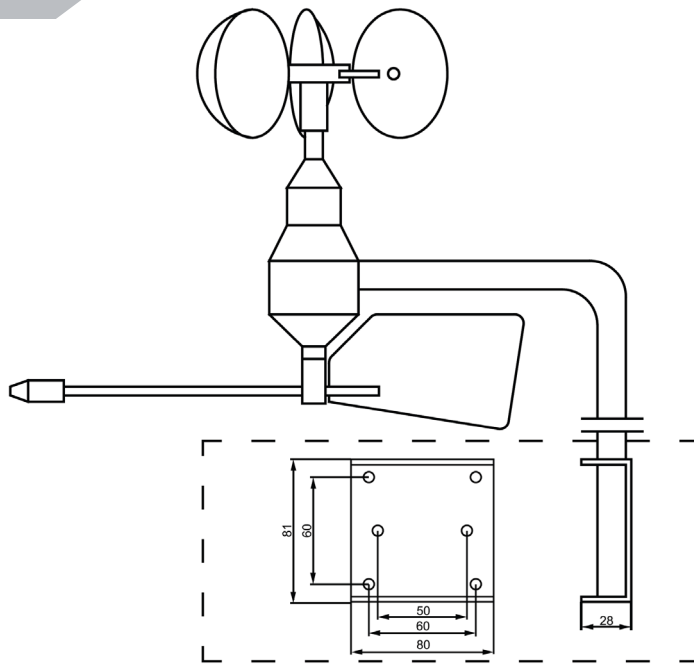


Features:

- 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)	50W (dc resistive)
MAXIMUM VOLTAGE	100V dc max.
AMP DRAW CURRENT	1A max.
DIRECTIONAL SENSOR	360°
ELECTRICAL TRAVEL	357° (+/-2°)
OUTPUT	0-1 Kohm for 357° @ 80V dc max.
RESISTANCE TOLERANCE	+/-3%
LINEARITY TOLERANCE	+/- 0.5%
ELECTRICAL CONNECTION	Flying lead (3m long)
AMBIENT RANGE	-20°C to +70°C
DIMENSIONS	HEIGHT: 280mm MAX. ARC: 120mm
DISTANCE	Max. 30m (100ft)
ACTIVE OUTPUT VOLTAGE (4-20mA)	-10 to 40°C 2 wire
ACTIVE OUTPUT VOLTAGE (0-10Vdc)	-10 to 40°C 3 wire

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



Version 2.1