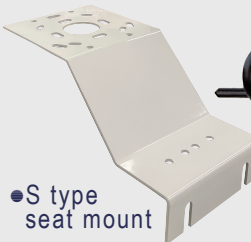# DCbox WIND SPEED/ WIND DIRECTION SENSOR — DCFD

- ■ Wind speed range: 0~30m/s, resolution 0.1m/s; wind direction range: 360 degree.
- ■ High performance imported bearing, small rotation resistance, accurate measurement.
- ■ All aluminum shell, high mechanical strength, high hardness, corrosion resistance, no rust, can be used outdoors for a long time.
- ■ Data transmission rate: the original baud rate is 9600bps, can not be modified, if the user wants to use other baud rates, please inform advance when ordering Rate: 9600bps, 4800bps, 2400bps, 1200bps.
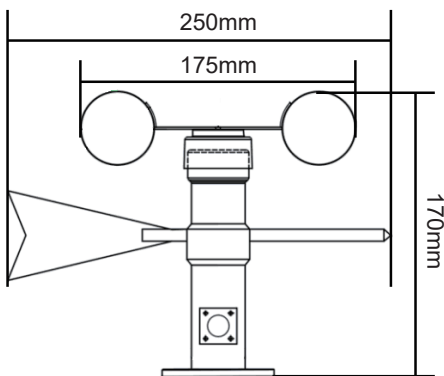- ■ Ingress Protection Rating: IP67 (waterproof)

● I type seat mount

● S type seat mount

## SPECIFICATION

- ◆ Power supply: 12~24VDC
- ◆ Maximum power consumption: ≦300mW
- ◆ Resolution: 0.1m/s
- ◆ Operating temperature: -20℃~+55℃, 35~85%RH (non-condensing)

- ◆ Measurement range: 0~30m/s, wind direction: 360 degree
- ◆ Start-up speed: ≧0.8m/s
- ◆ Dynamic influence time: ≦0.5s
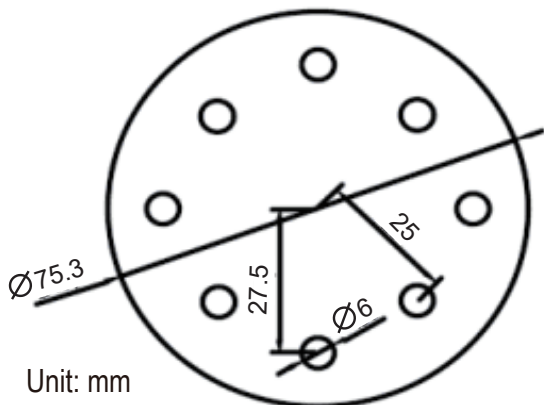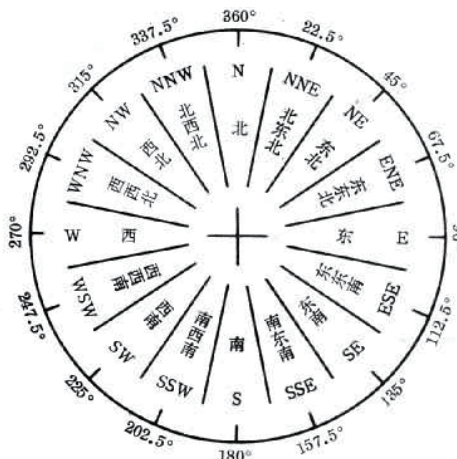- ◆ Output signal: RS485

## DIMENSION

250mm
175mm
170mm

## ORDER INFORMATION

DCFD- [ Code1 ] - [ Code2 ]

| Code1 | Wind Speed Signal | Code2 | Wind Direction Signal |
|---|---|---|---|
| A | 4~20mA | A | 4~20mA |
| V | 0~10V | V | 0~10V |
| Y | RS-485 | N | None |
| O | Option | O | Option |

## INSTALLATION DIMENSION

Ø75.3
27.5
25
Ø6
Unit: mm

## WIND DIRECTION 16 AZIMUTH MAP

360°
337.5° 22.5°
315° 45°
292.5° 67.5°
270° 90°
247.5° 112.5°
225° 135°
202.5° 157.5°
180°

NNW N NNE
NW 北西北 北 北東北 NE
WNW 西西北 東東北 ENE
W 西 東 E
WSW 西南南 東南南 ESE
SW 南西南 南東南 SE
SSW 南 SSE
S

## WIRING CONNECTION

Sensor
- **Power+** (Red)
- **Power-** (Black/Green)
- **A+** (Yellow)
- **B-** (Blue)