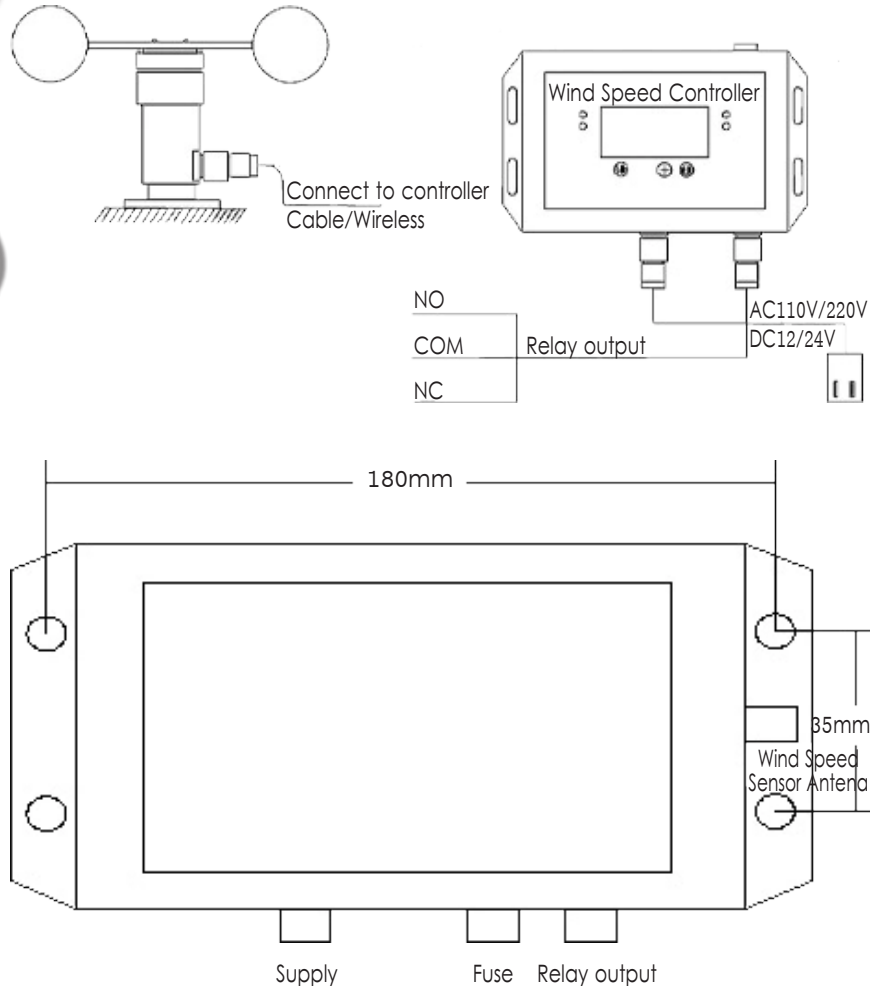# Meteorology

Wind Speed

SX2593

SX2593, WIND SPEED DISPLAY CONTROLLER

The SX2593 wind speed display controller gives a visual indication of real-time wind speed, with a LED digital display. In its housing shell, build in a microprocessor with the function of high performance, low power consumption. The wind speed early warn value and alarm value can be set by buttons on the panel. When alarming, the signal output can be controlled by relay.
SX2593 is the companion to our wind speed sensor.

Connect to controller Cable/Wireless

Wind Speed Controller

NO
COM   Relay output
NC

AC110V/220V
DC12/24V

180mm

35mm
Wind Speed Sensor Antena

Supply   Fuse   Relay output

MODEL	SX2593	
Range	0–60m/s	0–216km/h
Resolution (display)	0.1m/s	0.1km/h (<100km/h)
Accuracy (sensor)	±1m/s	
Alarm response time	<100mS	
Type of alarm	Sound and light alarm	
Contact capacity	5A@30VDC	
Early warning	Any value within 0 m/s ~39 m/s, the early warning value must be lower than the alarm value	Any value within 0km/h ~99km/h, the early warning value must be lower than the alarm value
Alarm	Any value within 1 m/s~40 m/s	Any value within 1km/h ~144km/h
Operating Temperature	–30°C – +70°C	
Power Supply	AC100–240V/DC12V/DC24V	
Power consumption	With wire:<3W(sensor & controller) Wireless:sensor: 0.25W,controller: 2.5W	
Ingress Protection	Controller: IP54, wind speed sensor: IP65	
Weight (unpacked)	Controller: 315g, wind speed sensor: 240g	
Main material	Controller: ABS, wind speed sensor:Aluminum alloy & 304SS	
Storage Condition	10°C – 50°C@20%–90%RH	