



RK150-01 Wind Speed Display Controller



Overview

The RK150-01 anemometer is equipped with LED digital display screen that can intuitively display real-time wind speed. Built in microprocessor with high performance and low power consumption. Wind speed warning and alarm values can be set through the buttons on the panel. When giving a warning or alarm, the wind speed sensor signal output can control the relay action. Sensors and anemometers can be connected both wired and wireless to monitor environmental wind speed in real-time.

Features

- Easy operation
- Visual display
- Real-time monitoring
- Rapid response
- Low power consumption
- With self-checking function
- 2 relays correspond to early warning and alarm

Applications

- Crane safety monitoring
- Safety monitoring of high altitude equipment
- Ports
- Solar and wind power generation
- Mobile weather monitoring vehicles
- Marine vessels
- Remote airports & helipads
- Road & rail tunnels

Technical Parameter

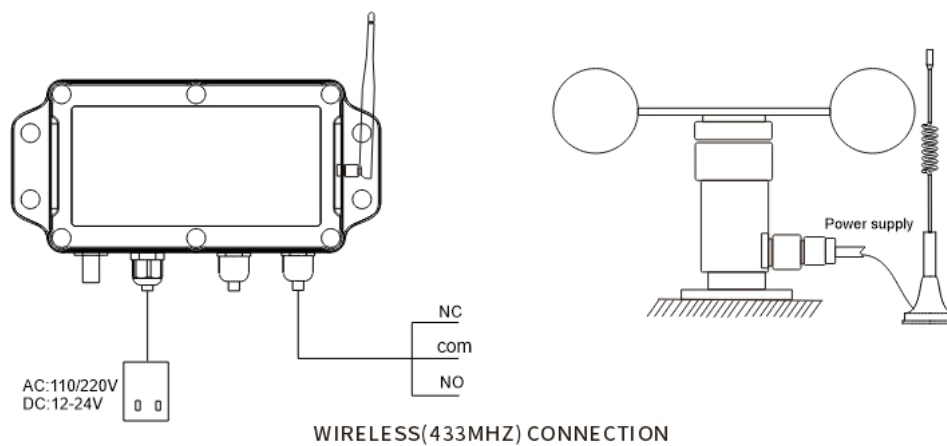
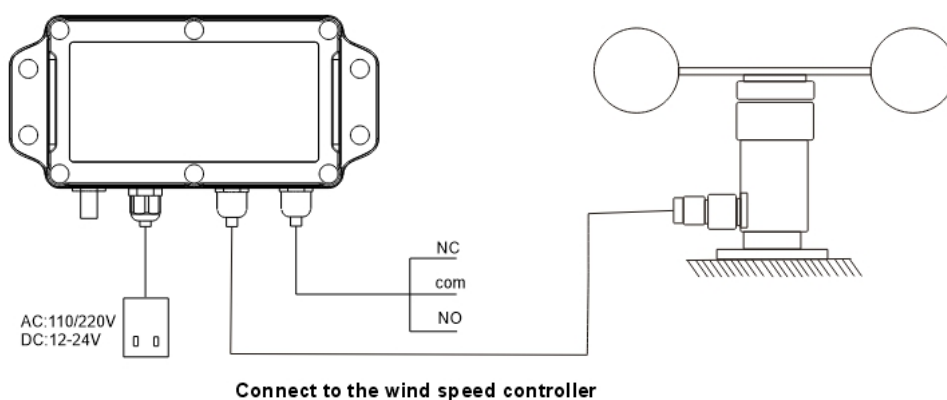
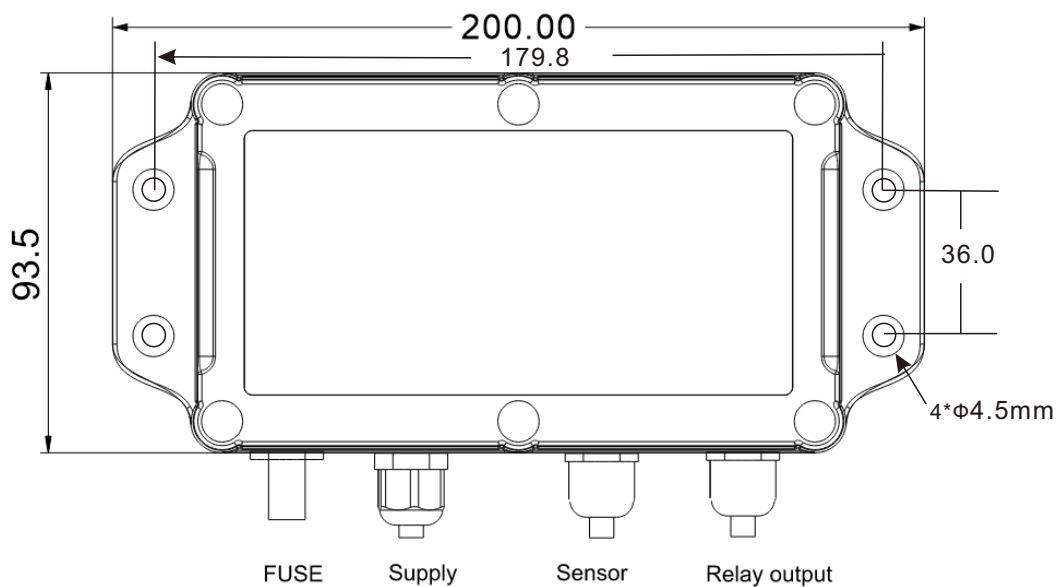
Item		Technical Specification
Range	0-60m/s	0-216km/h
Accuracy	$\pm(0.3+0.03V)m/s$	$\pm(1.08+0.11V)km/h$
Resolution(display)	0.1m/s	0.1km/h
Early warning	Any value within 1 m/s ~59 m/s, the warning value must be lower than the alarm value	Any value within 1km/h ~212km/h, the warning value must be lower than the alarm value
Alarm	Any value within 1 m/s~60 m/s	Any value within 1km/h ~216km/h
Alarm response time	<100mS	
Type of alarm	Sound and light alarm	
Contact capacity	10A@30VDC/250VAC	
Wired type	Cable: 200m(max.) between sensor and controller	
Wireless type	Effective distance: 1km(LOS) between sensor and controller	
Operating temperature	-30°C ~+70°C	
Power supply	AC100-240V/DC12V-DC24V	
Power consumption	Wired:<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(housing):ABS,wind speed sensor:Aluminum alloy	
Storage condition	10°C-50°C @20%-90%RH	



RK150-01 Wind Speed Display Controller

Mounting

Four $\varnothing 4.5\text{mm}$ mounting pole





RK150-01 Wind Speed Display Controller

Parameter Selection Table

Remark	Series	Type	Method	Range	Supply	Unit	Sensor Cable
RK							
	150						
		01					
			A				Wired
			B				Wireless
				A			/
				B			0-60m/s(0-216km/h)
					A		100-240VAC(1.5m cable :default)
					B		12-24VDC(0.5+0.2m cable :default)
					X		Other
						M	m/s
						K	km/h
							L0 Wireless(effective distance:1000m)
							L15000 Units:mm(typ)
							L30000 Units:mm
							L50000 Units:mm
							... Units:mm

Example: RK150-01ABAML15000 Wired, Range: 0-60m/s, Supply:100-240VAC, Unit: m/s, Cable Length:15m.

Revision time	Reviser	Current Version	Remarks
20250401	Lee	V5.0	