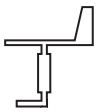
NRG 200M | WIND VANE

CABLE RECOMMENDATION

Signal cable up to 150m: **3x0.5 mm² + shield**. For longer cable, please consult sensor manufacturer.

SENSOR WIRING TABLE

Sensor Model	Manufacturer Cable Colors			Kintech Cable Colors		Orbit 360			EOL Zenith	
						Section	Terminal	Type	Section	Terminal
	●	Black	GND	●	Brown	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	○	White	SIG	○	White	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
									Extra Analog	1 2 3 4 5 6 7 8
	●	Red	Us (+)	●	Green	Power Input	50 54 58 62	*5п	Analog Inputs	+ +
		Shield		◑	Yellow Green	Power Input	⏚		BAT	⏚

Note: *5п, + + = *Pulsating 5V with current limited (4mA). Only 1 sensor must be powered.*

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **2.20**

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

- Group: Analog channels
- Sensor Type: Windvane
- Sensor Model: **NRG 200M**

Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:

1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the "right arrow" on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the "right arrow" on the keypad.
4. Now click "Set" on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the "right arrow" key twice to select it and save.
5. Click the "left arrow" several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	< 2.20	Not compatible		
	≥ 2.20	Wind direction	17	W200M
EOL ZENITH	< 1.64	Not compatible		
	≥ 1.64	Wind direction	07	W200M
	< 0.99	Not compatible		

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

- Group: Wind Vanes / Analog Inputs
- Sensor Type: Windvane
- Sensor Model: **FRIEDRICHS**

For more information please contact **web@kintech-engineering.com**
or visit our website **www.kintech-engineering.com**

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