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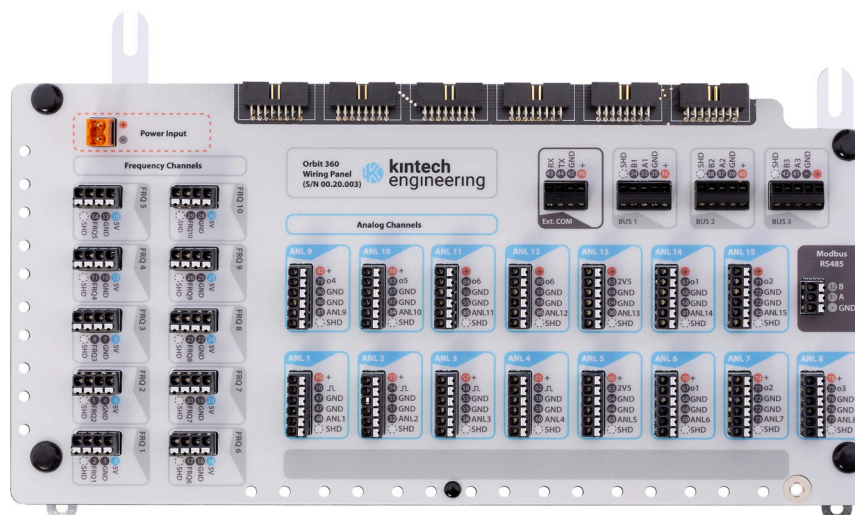
WIRING PANEL FOR ORBIT 360

The Wiring Panel for the Orbit 360 data logger is designed to make it easier to perform field maintenance and prevent mis-wiring, while significantly increasing the protection of the data logger against electrostatic discharges.

Benefits

- Increased protection against electrostatic discharges.
- Easier handling during field maintenance.
- Individual and replaceable surge protections.
- Helps to decrease cable cluttering.
- Clear labeling to prevent mis-wiring.
- Compatible with both Orbit 360 Premium and Orbit 360 Basic Plus.

WIRING PANEL | FOR THE ORBIT 360 DATA LOGGER



DESCRIPTION

With its dedicated spring cage terminals for all the individual sensors, the Wiring Panel offers a secure vibration resistant and long-term stability to your sensor connections and makes it much easier for the operator to insert and remove cables during field maintenance.

BENEFITS

- Highly increased protection against electrostatic discharges.
- Easier handling during field maintenance.
- Individual and replaceable surge protections.
- Helps to decrease cable cluttering.
- Clear labeling to prevent mis-wiring.
- Compatible with both Orbit 360 Premium and Orbit 360 Basic Plus.



In the event of an electrostatic discharge the Wiring Panel will discharge the lightning current to earth and protect the data logger from damage.

WHY IS THIS PRODUCT INTERESTING FOR ME?

Wind project performance is defined in terms of the potential energy production on a specific site as well as the uncertainty of the energy production estimate. The information gathered from a measurement campaign will guide your decision making throughout all the project's development stages, which is why we are constantly taking new measures to help our customers achieve a data availability that is as high as possible during the complete duration of the measurement campaign. The Wiring Panel for the Orbit 360 is yet another product that will ensure this data availability our customers need.

For more information about the Wiring Panel for the Orbit 360 please contact us on support@kintech-engineering.com or go to our online FAQ section.

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WIRING PANEL | FOR THE ORBIT 360 DATA LOGGER

Specifications

Applications	Wind resource assessment, solar resource assessment, solar monitoring, meteorology, environmental monitoring.
Data logger compatibility	Orbit 360
Sensor compatibility	Data logger model dependent (Orbit 360 Premium or Orbit 360 Basis Plus).
Channel capacity	All Orbit 360 channels (25) + Modbus RTU + RS-485 buses (3) + Ext. COM.
Assembly	Inserted directly into the Orbit 360 terminal plugs and attached to the backplate of the enclosure with 4-star shaped screws.
Surge arrester technology	3-stage protective circuit: Impedance-coordinated hermetically encapsulated gas filled spark-gaps + MOV + TVS diode.
Number of replaceable surge protection boards	30

Wiring terminals

Number of protected frequency channels	10 channels, two wires per channel: signal and output supply. Push-in technology. Dedicated terminals for ground and shield on all channels.
Number of protected analog channels	15 channels, three protected wires per channel: signal and two supply outputs. Push-in technology. Dedicated terminals for ground (x2) and shield on all channels. Extra built-in output supply terminals on channels 11 to 15.
Number of protected RS-485 buses	3 buses (three wires: A, B and output supply). Screw connection with tension sleeve. Extra built-in output supply terminal on BUS 3.
Power supply terminal type	2-pole plug-in connector. Clamping yoke connection.

Parameters

Nominal operating voltage	5...30V DC
Maximum input voltage	36V

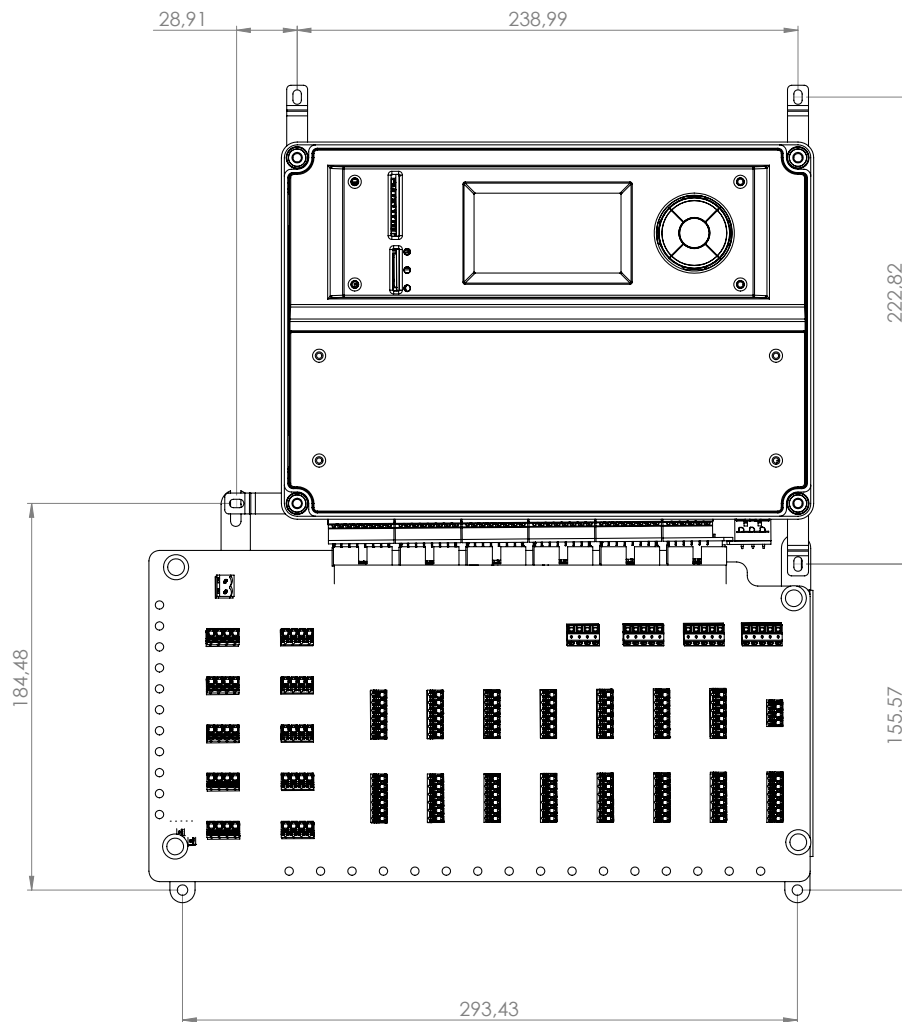
Operational data

Operating temperature range	-40 °C to 85 °C
Operating humidity range	0...100 % RH non-condensing

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INSTALLATION IN CABINET

The Wiring Panel for the Orbit 360 is installed below the Orbit 360 and inside the logger cabinet (shelter box) rated for outdoor use (IP66). Below are the exact dimensions for all the support brackets of the Wiring Panel when attached to the Orbit 360.



Specifications

Physical dimensions

Weight	0.862 kg
Height	14.6 cm
Width	30.7 cm
Depth	2.8 cm

Last modified: 24.05.2021

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