

2-Axis Inclination Sensor Module Control Box



User Quick Guide

Technical Support
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For more information please visit
www.digipas.com/2-axis-precision-sensor-module

Technical Specification

Dimension (mm)	234 x 132 x 53
Weight (Approx.)	490g
Power Voltage	12V DC
Max Current Consumption	1.2 A
I/O Com protocol	<ul style="list-style-type: none"> • RS232/RS485: 8 Data bits, no parity, 1 stop bits, 115200bps • USB 2.0 • 4 x SPDT Relay -3A at 30VDC (NC), 5A at 30VDC (NO)
Operating Temperature	-20°C to +70°C
Storage Temperature	-30°C to +80°C

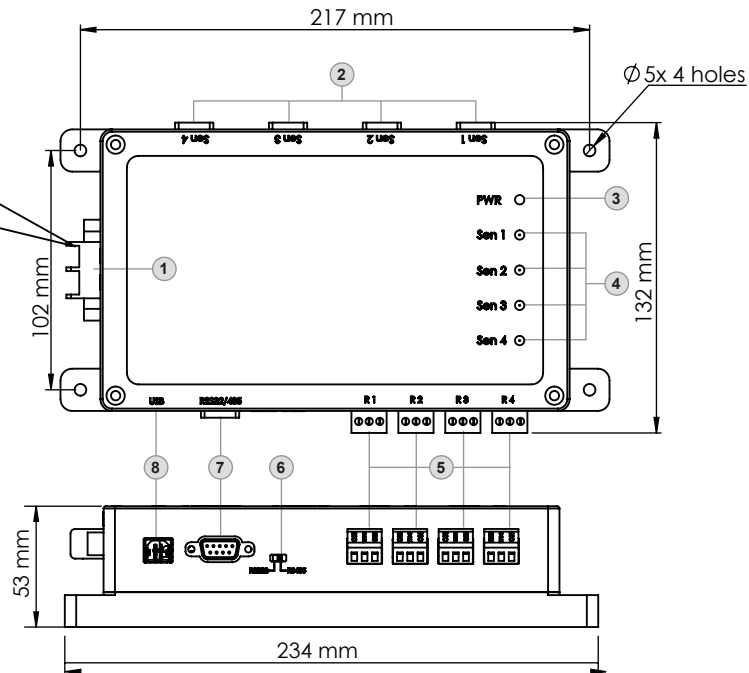
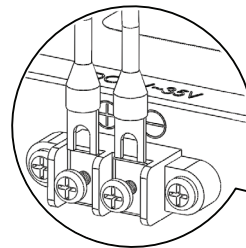
Notes :

- Product specification and appearance are subject to change for product improvement without prior notice.

Kit Contents

- 1 Control Box
- 2 Quick Guide

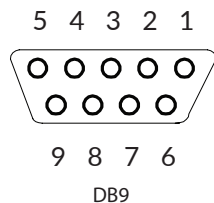
Device Overview



1. 12V Power Supply input
2. Sensor Input
3. Power LED indicator
4. Sensor LED Indicator
5. SPDT Relay output
6. Serial output Switch
7. RS232/485 serial output
8. USB 2.0 Standard-B Port

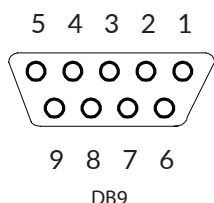
Connection Pin-out

Sensor module (Input)



Pin	Description
1	GND
2	N.C (No Connection)
3	Signal (For Control Box)
4	Signal 2 (For Control Box)
5	Power input
6	A (Noninverting Receiver Input)
7	B (Inverting Receiver Input)
8	Z (Inverting Driver Output)
9	Y (Noninverting Driver Output)

Control Box RS232/485 serial output



RS485	
Pin	Description
1	NC
2	A (Noninverting Receiver Input)
3	B (Inverting Receiver Input)
4	Z (Inverting Driver Output)
5	Y (Noninverting Driver Output)

RS232	
Pin	Description
6	GND
7	NC
8	Receiver Input
9	Transmitter Output

Safety Precautions

- Make sure all the devices are properly grounded before installation.
- Do not allow the device to come in contact with water or any other liquids. Otherwise, electric shock or fire could result.
- Handle the device with care to avoid device from dropping or any other physical shock. Otherwise, it may result in damage or malfunction.
- Do not install the device near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- Do not operate this device outside the temperature range of -20°C to +70°C.

Cleaning

Keep the device dry and clean. Remove any moisture or dirt with a soft, dry cloth.

Do not use harsh chemicals, strong detergents or cleaning solvents to clean the device.

Do not submerge the device in water while cleaning . Wiping or cleaning on device surface is sufficient.

Warranty

Digi-Pas® Digital level is warranted to the original purchaser to be free from defects in workmanship and material. DIGIPAS TECHNOLOGIES INC will, at its option, repair or replace any defective part which may malfunction under normal and proper use within a warranty period of 1 (one) year from the date of shipment. This one year warranty clause is NOT applicable to European Union (EU) member states. Purchases made in EU member states will be covered by the existing consumer laws across the European Union, which provide statutory warranty rights in addition to the coverage of one year warranty period. The foregoing warranty shall not apply to defects resulting from misuse, abuse or transfer by the Buyer, Buyer-supplied software or interfacing, unauthorized modification or operation outside of environmental specifications for the product. DIGIPAS TECHNOLOGIES INC. does not warrant that the operation of the instrument software, or firmware, will be uninterrupted or error free.

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