Enapter ENP-AI4-50V Module Datasheet

Enapter	
Analog	Error
Input	
Flip for setup	9 * 49 * * 1 * * 1 * * * * * * * *

Analog Input Module

The Analog Input Module is used to receive data from analog devices with a -50...+50 V signal, RS-485 interface and Wireless connection is used for communication with the module. For example: a valve, a sensor and others. The Analog Input Module sends the collected data to the Enapter Gateway and Cloud via secure wireless connection.

Technical Data

Voltage	924 V DC
Connected sensors number	4 x Analog sensors
Wireless Communication	Wi-Fi 2.4 GHz
	Bluetooth 4.0 LE
Integrated connection type	Isolated RS-485 interface
Antenna connection type	SMA-F (module) – SMA-M (antenna)
Local signaling	1 LED (green) steady – correct operation
	blinking – establishing
	connection with server
	1 LED (red) module error
Current consumption	50 mA 12 V DC, max. 300 mA
Mounting	35 mm Din rail acc. to IEC 60715
Height	90.2 mm (3.55 inch)
Depth	57.5 mm (2.26 inch)
Width	36.3 mm (1.43 inch)
Net weight	0.090 kg

Environmental Conditions

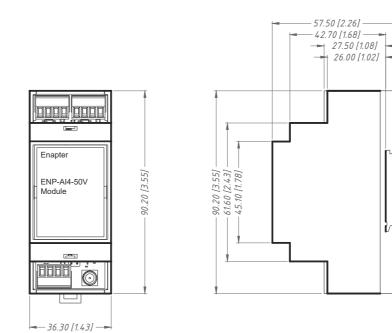
Ambient air temperature for operation	-40+60 °C
Ambient air temperature for storage	-40+60 °C
Relative humidity for operation	2090 %, without condensation
Relative humidity for storage	2090 %, without condensation
Operating altitude	02000 m
Storage altitude	03500 m
Pollution degree	2
IP degree of protection	IP20

Connected device

Туре	Valve
	Sensor
	And others
Connection	Screw terminal block
Signal	-50+50 V
Signal resolution	16 bit
Galvanic isolation	Group, from controller circuits

Dimensions

The dimensions are in mm and in brackets in inch.

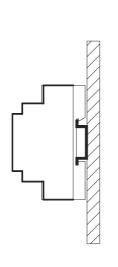


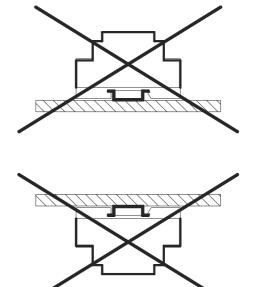
Mounting

The ENP-AI4-50V Module must be horizontally mounted on 35 mm DIN rail according to IEC 60715.

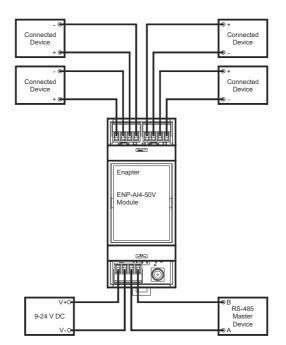
Correct Mounting Position

Incorrect Mounting Position





Connection Examples



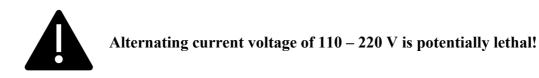
Note: 1 Amp Circuit Breaker recommended to use on power line for the ENP-AI4-50V Module.

Enapter

Standards

Wi-Fi protocols - 802.11 b/g/n/e/i (802.11n up to 150 Mbit/s).

Bluetooth protocols – Bluetooth v4.2 BR/EDR and BLE specification.





All works on assembly and installation should be performed only with a disconnected power supply!



The installation and assembly of electrical equipment must be carried out by electrically qualified persons.

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