



## Features

- Isolated 4-20mA
- 4 channel of inputs
- Modbus RTU interface
- USB to serial inbuilt converter
- Baud rate and address config by DIP switch
- Power supply from external source or USB
- 4-20mA device connection indicators
- Wide power supply range up to 36V
- DIN rail mounting
- Aluminium enclosure

The ADI-524 is 4-20mA analog input interface converter to Modbus RTU over RS485 or over USB. It has 4 opto-isolated analogue inputs and RS485/USB output. Extra isolated 24V power supply for 4-20mA sensor/devices and DIP switch for baud-rate and address setting.

USB port make this device perfect to use with industrial computers and gateways with USB port.

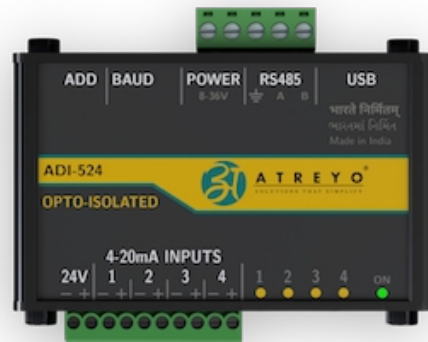
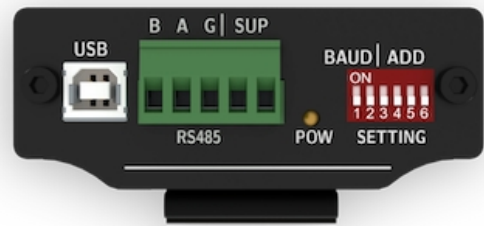
It can be mounted on standard DIN rail or by using clamps.

Description	Parameter
<b>4-20mA inputs</b>	
Input number	4
Type	4-20mA isolated from rest of circuit. Not isolated from each other
Isolation	2kVAC for 60s
ADC converter	16Bit $\Delta\Sigma$ A/D
Isolated power supply	24V/25mA
<b>USB</b>	
USB port number	1
USB	USB 2.0
Connector	USB type B
Protection	IEC 61000-4-2 level 4: - 15 kV (air discharge) - 8 kV (contact discharge)
<b>Serial RS485 Modbus RTU</b>	
Port number	1
Interface Type	RS485
Data Rate	9600, 19200, 38400, 115200
Signals	A and B and ground

Description	Parameter
Connector	Pluggable screw socket
Protection	Opto-isolated 2.5kV RMS per UL 1577 IEC 61000-4-2 level 4: - 15 kV (air discharge) - 8 kV (contact discharge) MIL STD 883C-Method 3015-6: class 3. (human body model) Fail-safe receiver for bus open, short and idle
Modbus address	1-15
<b>System Functions Indicators</b>	
Indicators	4x input presence, ACT - activity, power - dual colour
<b>System Support</b>	
OS for USB	Linux, Windows, MAC OS
Modbus RTU	All type PLC, gateways, computers etc with Modbus RTU interface
<b>Power Supply</b>	
Power Voltage range	8-36V DC or 5V from USB

Description	Parameter
Power consumption	3W average
Connector	5 pin (+, -) pluggable screw socket common with RS485
Protection	Reverse polarity, surge
Physical Characteristics	
Installation	DIN-Rail, clamp
Housing	Aluminium

Description	Parameter
Weight	130g
Dimensions	88mm x 54mm x 35mm
Environmental Specification	
Operating Temp.	-25 ~ 85°C (-13 ~ 158°F)
Storage Temp.	-40 ~ 85°C (-40 ~ 176°F)
Ambient RH	5% to 95% (non-condensing)



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