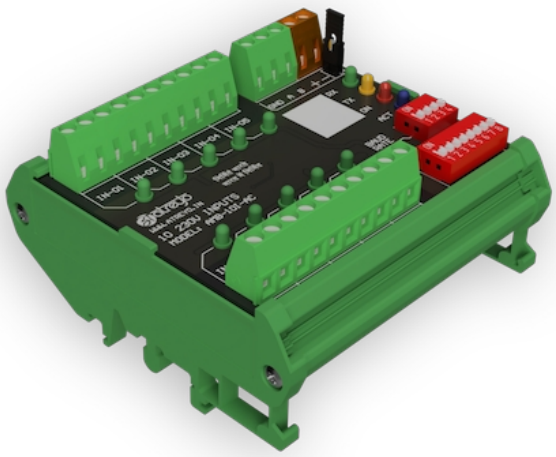
TECHNICAL SPECIFICATION

ATREYO®
SOLUTIONS THAT SIMPLIFY

High voltage 10 inputs
Modbus input expander

AMB-10I-AC



Features

- **10 × 60-500V DC/AC digital inputs**
- **Baud rate: 4800 – 128000**
- **Modbus addresses: 1 to 247**
- **RX/TX and activity indicators**
- **Powered 8-36V DC or 8-24VAC**
- **DIN rail mounting**

Digital input expander to Modbus RTU with high voltage input range of 60V AC to 500V AC. The input also accepts DC voltage within the same range. Used when it is necessary to detect the presence of high voltage in electrical panels. The power supply accepts either DC or AC voltage and has a range of 8 to 36V. For use in electrical street lighting panels, road infrastructure panels, machine controllers, industrial machine and automation controllers, etc.

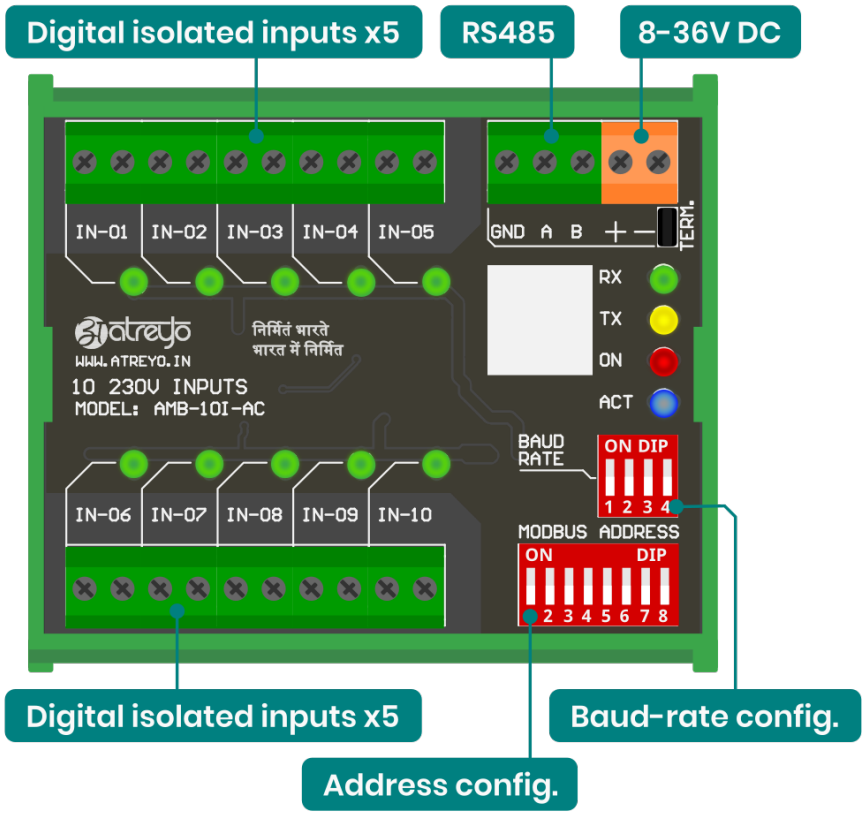
Description	Parameter
Serial interface	
Interface Type	RS485
Data Rate	4800, 9600, 14400, 19200, 28800, 38400, 57600, 115200, 128000 bps
Signals	A, B and GND
Data Length	8 bits
Parity	None
Stop Bits	1
Baudrate setting	4 way DIP switch
Address setting	8 way DIP switch
Connector	Screw connector, 28÷12AWG / 2.52mm
Digital inputs	
Input number	× 10
Input type	Opto-isolated 2.5kV

Description	Parameter
Digital inputs	
Configuration	Every input separate
VIN_{max}	500V AC or 500V DC
Logic 1 Voltage range	60V to VIN_{max}
Connector	Screw connector, 28÷12AWG / 2.52mm
Indicators	
Inputs indicators	× 10 ø3mm LED green
RX/TX	× 2 ø3mm LED yellow/green
Power	× 1 ø3mm LED red
Activity	× 1 ø3mm LED blue
Power supply	
Supply voltage	8-36V DC or 8-24V AC
Power consumption	0.6W
Connector type	Screw connector, 28÷12AWG / 2.52mm

Description	Parameter
Physical characteristics	
Installation	DIN-Rail mounting
Housing	PVC
Dimensions (L×W×H)	90mm × 90mm × 50mm
Weight	120g

Description	Parameter
Environmental specification	
Operating temp.	-10 ~ 75°C (-14 ~ 167°F)
Storage temp.	-40 ~ 85°C (-40 ~ 185°F)
Ambient RH	5% ~ 95% (non-condensing)

Expander



Standard package list

1 AMB-10I-AC

Please note: The set does not include a power supply.

For more details scan or click on QR code

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