

BASSO-1040DT/DIO

Industrial Serial to Digital IN/OUT Converter



The BASSO-1040DT/DIO is a multifunctional device that converts and communicates digital input(DI) and digital output(DO) devices to RS232, RS422, and RS485, which are used in conjunction with contact switches, sensors, instruments or control equipment which are widely used in industrial sites.

In industrial sites such as factories, DI/DO devices are used in various areas such as control and measurement of machinery and facilities by communicating with PLC or utilizing PLC. Supporting universal RS232/422/485 serial specification and Modbus protocol, BASSO-1040DT/DIO provides reliable communication for various user environments.

Overview

Serial Port

RS232/RS422/RS485 interface and termination resistance can be set through BASSO-IO Config Utility.


Digital I/O Port

Selectable between 4xDigital Input(DI) or 4xDigital Output(DO) or 2xDI+2xDO.

Industrial Grade

Supports industrial grade operating temperature of -40 ~ 85℃(-40 ~ 185°F).

BASSO-1040DT/DIO Specification Sheet

Serial	Interface	RS232 or RS422 or RS485 Selectable (by software)
	Serial Port	DCE(DB9 Female)
	Signals	RS232: TXD, RXD, RTS, CTS
		RS422: TXD+, TXD-, RXD+, RXD-
		RS485: TRXD+, TRXD-
	Data bit	8
	Stop bit	1, 2
	Baud Rate	Max. 921.6Kbps
	Protection	Max. $\pm 15\text{kV}$
Digital Input/Output	I/O Select	2xDI+2xDO or 4xDI or 4xDO Selectable (by software)
	Digital Input	4 channels (Dry & Wet Contact)
	Digital Input Mode	DI or Event Counter (1 kHz)
	Digital Output	4 channels (Sink)
	Digital Output Mode	DO or Pulse Output (500Hz)
	Output Current Rating	500mA per Channel
	Isolation	1500Vrms for 1minute
	Power	12 ~ 24V (Terminal Block)
	Current Consumption	20mA@12V
Hardware	Power	5 ~ 24V (DC-Jack)  (Outer diameter 3.47mm, Internal diameter 1.35mm)
	Current Consumption	20mA@12V
	LED	RDY(Green), SRL(Red), DIO1&3(Green), DIO2&4(Yellow)
	Dimension (W x L x H)	102.5 x 54.5 x 24.5mm (4.04 x 2.15 x 0.97in)
	Weight	68g (2.4oz)
	Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)
	Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)
	Humidity	5~90% Non-condensing
Ordering information		BASSO-1040DT/DIO

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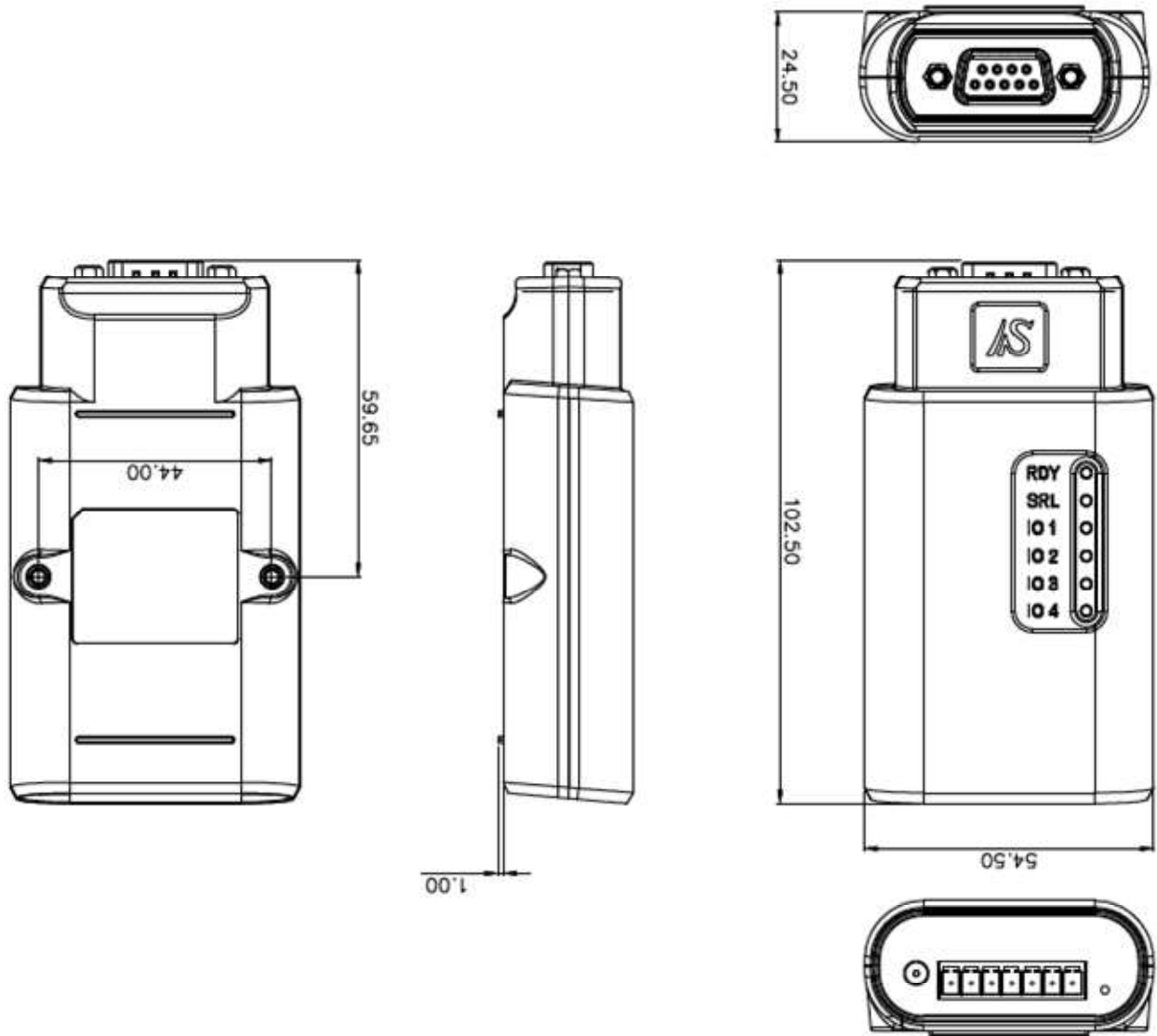
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Specifications subject to change without notice



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Dimension



(unit: mm)

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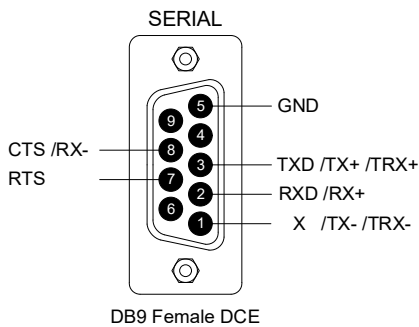
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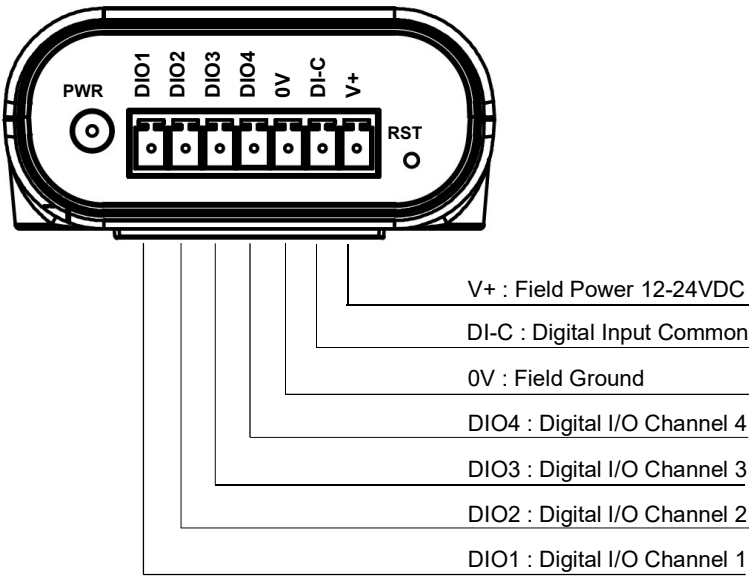


Pin Spec



DB9 PIN No.	RS232	RS422	RS485
1	-	Tx-	TRx-
2	RXD	Rx+	-
3	TXD	Tx+	TRx+
5	GND	-	-
7	RTS	-	-
8	CTS	Rx-	-

[Caution] RS232 port is in DCE(Data Communication Equipment) mode and should be connected by direct cable to DTE ports such as PCs.



Input/output settings of the Digital I/O port can be changed via BASSO-IO Config Utility such as interface/ baud rate settings of serial port.

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