

Oriental motor

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Item # AZD-KR2D, AZ Series mini Driver (DC Input)

αSTEP



The AZ Series mini Driver works with a variety of AlphaStep AZ Series, DC input products. This driver can be controlled using RS-485 communication and daisy chained to maximize design, space and improve installation time. The mini Driver is also designed to be close to the motor, making it ideal for Robotic type applications. The elimination of switches and I/O connectors allows for a compact and lightweight design. Utilizes the MEXE02 Support Software, available for free download.

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Specifications

Lead Time¹	Contact your local sales office for product lead-times, available to ship dates and shipping methods.
Driver Type	RS-485 Communications Type
Power Supply	24 / 48 VDC
Main Power Supply Input Current	0.4 ~ 3.7A (Refer to manual for details)
Number of Positioning Data Sets	256 Points
Input	16 Points
Output	16 Points
Control Power Supply Input Current	0.15 A (standard motors) 0.4 A (brake motors) 0.23A (AZM46)
Safety Standards	CE UL

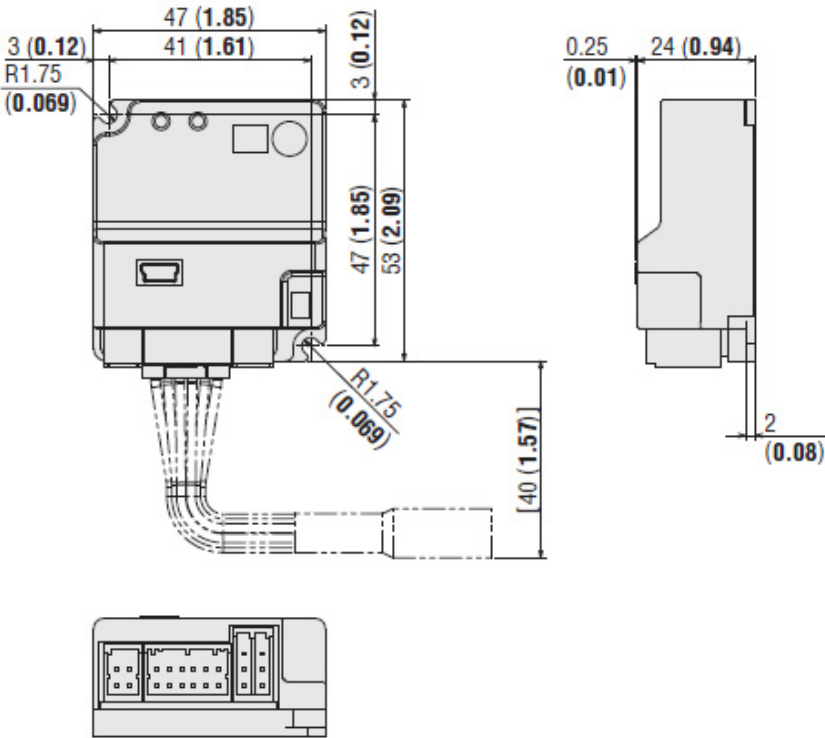
Electrical Characteristics	Complies with EIA-485
	Use twisted-pair cables, max. total extension length is 50 m (164 ft.)
Communication Method	Half duplex
	Start-stop synchronization (data: 8 bits, stop bit: 1 bit or 2 bits, parity: none, even or odd)
Protocol	Modbus RTU protocol
Baud Rate	Select from 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps and 230400 bps
Connection Type	Up to 31 units can be connected to a single host system.

Dimensions

■ Dimensions Unit: mm (in.)

2D & 3D CAD

Type	Product Name	Mass g (oz.)	2D CAD
RS-485 Communication Type	AZD-KR2D	56 (1.98)	B1538



- Applicable Connectors
 - Power Connector (CN1)
 - Connector Housing: 1-1827864-2 (TE Connectivity)
 - Contact: 1827589-2 (TE Connectivity)
 - RS-485 Communication Connector (CN3)
 - Connector Housing: 1-1827579-1 (TE Connectivity)
 - Contact: 1827588-2 (TE Connectivity)

System Configuration

Combination of AZ Series standard type electromagnetic brake motor and mini driver RS-485 communication type.

The system configuration shown below is an example of when using RS-485 communication.

Motors, drivers, and connection cables / flexible connection cables must be ordered separately.

