

Intelligent Connect Operation

Communication Mode DC Brushless Motor

Communication Control

Only need RJ45 network cable to connect front controller so as to simplify wiring and engineering time.

I/O Control

Under [I/O mode], it can operate stand -alone, or control by PLC, PC program.



BRUSHLESS MOTOR



TOP-1 Touchscreen Controller

Tenet Network Communication System Integration

 By T-net network communication system integration platform [TOP-1], it can connect to multiple machine to set parameter, monitor status and test running.

Network Communication Control ***Odbus**

- Compatible to Modbus RTU communication protocol, RS-485 interface with RJ45 cable to control different machines in series to simplify wiring.
- Can be connected to TOP-1, PC, PLC and HMI.

Flexible Customized I/O Interface

- IN connection→4 from 8; OUT connection→2 from 6. Terminal function can be customized and configured.
- Customize I/O terminal to compatible with previous controller without changing wiring or control program.
- Customized compatibility to all TROY brushless driver control modes, e.g. BMD/DB/ SBD/UBD/DBD.

Color Indicators Shows Status

 7 color LED indicator shows the running status of motor and driver.

Running information Shown On

 5 Running information can be shown on OLED panel, for easier identification of motor and driver status.

Motor/Driver Specification and Characteristics

DC Brushless Motor

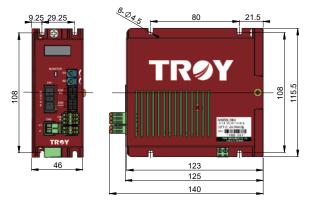
	Power Output			200W	400W
	Motor	Round Shaft Type		9BU200S-D T	9BU400S-D4 T
	IVIOLOI	Pinion Shaft Type		9BU200P-D T	-
_	Driver			DBU200-DT	DBU400-D4 T
	Power Input	Rated Voltage	V	DC24±10%	DC48±10%
		Max. Current	Α	21	13.3
		Rated Current	Α	15.4	10.7
	Rated Torque Nn		Nm	0.65	1.28
¥-	Instant Max. Torque Nm		0.81	1.76	
	Permissible Inertia Load GD ² kgcm ²		54.4	72.6	
	Rated Speed r/min		r/min	3000	3000
	Speed Control Range r/min		250~3000	300~3000	

Communication Specification	[Communication Protocol] T-net communication protocol(compatible to Modbus RTU). [Communication Rate] 9600、14400、19200、28800、38400、57600、115200 bps. [Transmission Mode] RS-485 Synchronized half-duplex. [Connection Range] Use 1-meter-long CAT-6 specification network cable to connect in series, the actual test can connect up to 247 units in series.			
Signal Input	[Specification] Photo Coupler Input Interface; correspond to NPN or PNP wiring. [In Connection] 4 from 8 terminal function can be customized and configured. CW/STOP, CCW/STOP or RUN/STOP, CW/CCW, Alarm-Reset, M0, M1, M2, EX-ER, Hold-Free can compatible with DB or SBD control mode.			
Signal Output	[Specification] Open Collector Output Interface; correspond to NPN or PNP wiring. [Out Connection] 2 from 6 terminal function can be customized and configured. Alarm-out, Reach-out, VA-out, Speed-out, Warning-out, MOVE.			
Features	 Can be connected to TOP-1(Touchscreen Controller), PC, PLC. Connect to PC directly for communication setting by USB TO RS-485 convertor. [Communication Mode]: Parameter setting, operation movement control, 8 stage speed set/select, monitor status can be controlled. [I/O Mode]: Operation movement control, 8 stage speed select, monitor status can be controlled. 10 Protective functions: Alarm protective functions like overload, over voltage, over current, over speed, overheat, power on, abnormal starting, register error, encoder signal error, external interrupt. 7 Color LED indicator display: RUN/EDIT, CW, CCW, Alarm, external interrupt, register/ CPU/ communication abnormal. For easier identification of motor and driver status 5 Operating information OLED panel display: Revolving speed, driver machine number, running data No., count down time or load rate, for easier identification of motor and driver set up status. *[TOP-1] is a integration platform touchscreen controller, TROY product series with [T-net communication protocol] can connected for internal data setting, but without front controller function (optional purchase individually). 			

Dimensions

-Driver-

◆ DBU200-D T / DBU400-D4 T



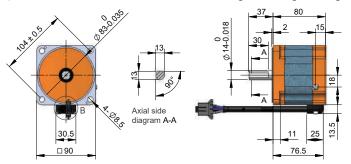
Unit:mm Weight: 498g

Unit:mm

-Motor-

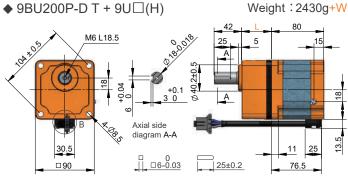
Detail view B Scale 2 : 1

♦ 9BU200S-D T / 9BU400S-D4 T Weight: 2455g / 2650g



Ø 8 Insulated housing cable 1000mm (power cable)

◆ 9BU200P-D T + 9U□(H)



*Pinion Shaft Type 9U5(H)~360(H), the spec of Gearbox length L and weight W as following:

ĺ		Model	9U5(H)~20(H)	9U30(H)~100(H)	9U200(H)~360(H)
		Length(mm)	45.5	58.5	64.5
		Weight(g)	860	1125	1265