■ Basic specifications

Item		Model	ERCD
Number of controllable axes			Single-axis
Controllable robots			Single-axis robot FLIP-X series T4L / T5L / C4L / C5L
Basic specifications	Capacity of the connected motor		DC24V 30W or less
	Dimensions		W44 × H166 × D117mm
	Weight		0.45kg
	Input power supply		DC24V +/-10% maximum 3A to 4.5A (Variable depending on robots in use.)
Axis control	Drive method		AC full-digital software servo
	Position detection method		Resolver
	Operating method		Normal mode: point trace movement, program operation, operation using RS-232C communication Pulse Train mode: operation by pulse train input
	Position indication units		mm (millimeters)
	Speed setting		1% to 100% (Setting by 1% unit)
	Acceleration setting		1. Automatic speed setting per robot No. and payload 2. Setting based on acceleration and deceleration parameter 1% to 100% (Setting by 1% unit)
	Resolution		16384 P/rev
	Origin search method		Incremental
Program	Program language		YAMAHA SRC
	Multitasks		4 tasks
	Point-data input method		Manual data input (coordinates input), Direct teaching, Remote teaching
Memory	RAM		32 Kbytes with lithium battery backup (5-year life) Retains programs, point data, parameters and alarm history
	Programs		100 programs (Maximum program number) 255 steps per program 1024 steps / total or less
	Points		1000 points (256 when point tracing)
External input/output	I/O interface	Normal mode Note 1 — Sequence input	Dedicated input 8 points, General input 6 points
		Normal mode Note 1 — Sequence output	Dedicated input 3 points, General input 6 points, Open collector output
		Pulse train mode Note 1 — Sequence input	Dedicated input 5 points, General input 6 points
		Pulse train mode Note 1 — Sequence output	Dedicated input 3 points, General input 6 points, Open collector output
		Command pulse input — Type	1.Phase A / phase B, 2.Pulse / code, 3.CW / CCW
		Command pulse input — Mode	Line driver (+5V)
		Command pulse input — Frequency	Maximum 2 Mpps
		Feedback pulse output — Terminal name	PA+, PA-, PB+, PB-, PZ+, PZ-
		Feedback pulse output — Type	Phase A / phase B / phase Z
		Feedback pulse output — Mode	Line driver (+5V)
		Feedback pulse output — Number of pulse	16 to 4096 P/rev
	Power supply for sequence I/O		External DC +24V input
	Emergency stop input		Normal close contact point input
	Brake output		Relay output (for 24V/300mA brake) 1CH
	External communications		RS-232C 1CH (For communication with HPB or PC)