

CYDAR CONTROLLER CYD-CNT-2RR524S-01-E Specification

Aug. 18, 2004

CyVerse Corporation

Contents



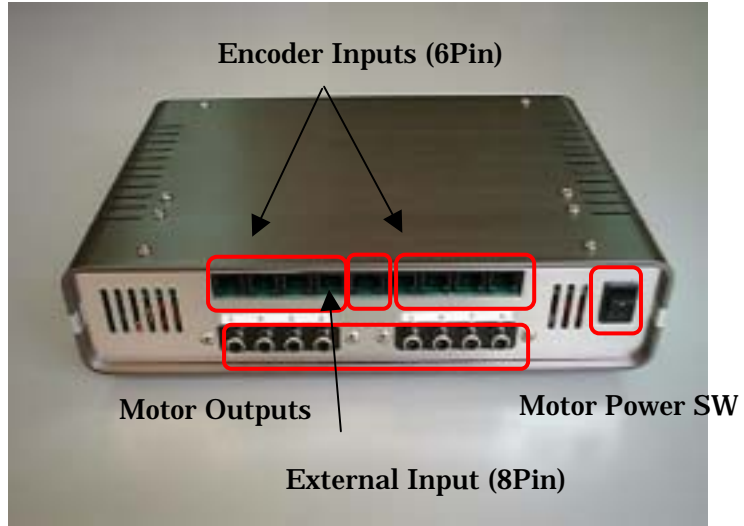
Motor Controller Power Supply (24V, 5V), USB2.0 Cable
(The actual product may differ from the photograph)

Motor Controller, 5V Power Supply (for 100-240V, European Option), 24V power Supply (for 100-250V), USB 2.0 Cable (3 m), Device Driver Disk

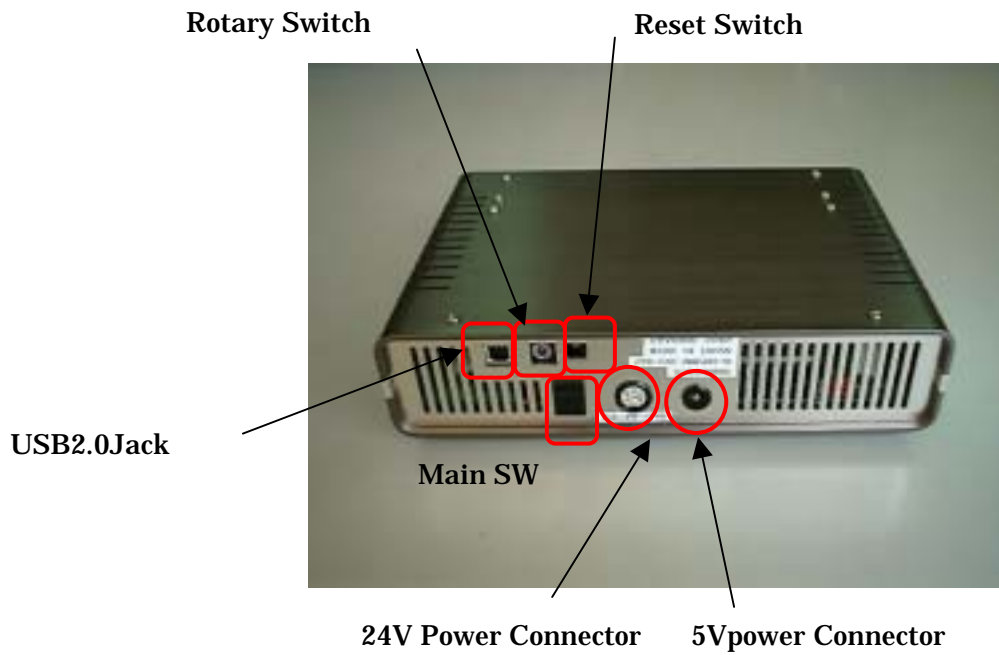
Hardware Specification

Item	Specification
PC Interface	USB 2.0
Box Size	260mm(W) × 60mm(H) × 180mm(L)
Power Supply Capacity	5V 4A(for controller and encodes), 24V 5A(for motors)
Power Input	100-240V(5V power supply), 100-250V(24V power supply)
Controller Mass	2kg
Power Supply Mass	830g (24V power supply), 390g (5V power supply)
Encoder Input	2 phase encoder input x 8 channels
Internal CPU	Hitachi SH4 (SH7750S, Clock 200MHz)
Internal Flash ROM	2MBytes (16bit Bus)
Internal DRAM	64MBytes (32bit Bus)
External Input	3bit, inverse input, 5V power
Motor Torque Output	0-100% single direction (resolution 12bit) x 8 channels
Max. Motor Power	15W (per 1 channels)
Encoder Inputs	RJ-11 modular jack (6 pin/4 line)
External Input	RJ-45 modular jack (8 pin)
Motor Outputs	RCA pin jack

Each Part of Controller



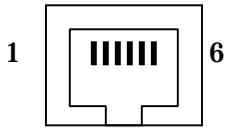
Front Panel



Back Panel

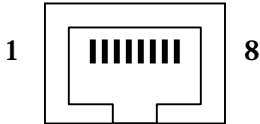
Pin Arrangement (Front Panel This Side)

Encoder Input (RJ-11 Modular Jack, 6 Pin/4Line, x 8channels)



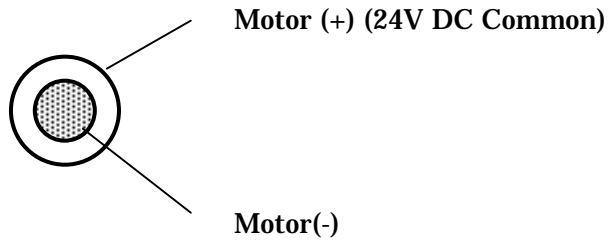
Pin No.	Signal
1	N.C.
2	Encoder Phase A
3	5V DC
4	Encoder Phase B
5	GND
6	N.C.

Switch Input (RJ-45 Modular Jack, 8Pin)



Pin No.	Signal
1	N.C.
2	#Input 1
3	#Input 2
4	#Input 3
5	GND
6	5V DC
7	N.C.
8	N.C.

Motor Output (RCA Pin Jack, x 8channels)



Cautions

The case may get hot.

Please be sure to use exclusive power supplies.

Do not connect with encoder inputs except 5V encoders.

Do not connect with motor outputs except DC motors.

Do not connect with a switch input except a switch.

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