

# CYDAR CONTROLLER CYD-CNT-2RR524U-02-E Specification

Sep. 9, 2003

CyVerse Corporation.

## Contents



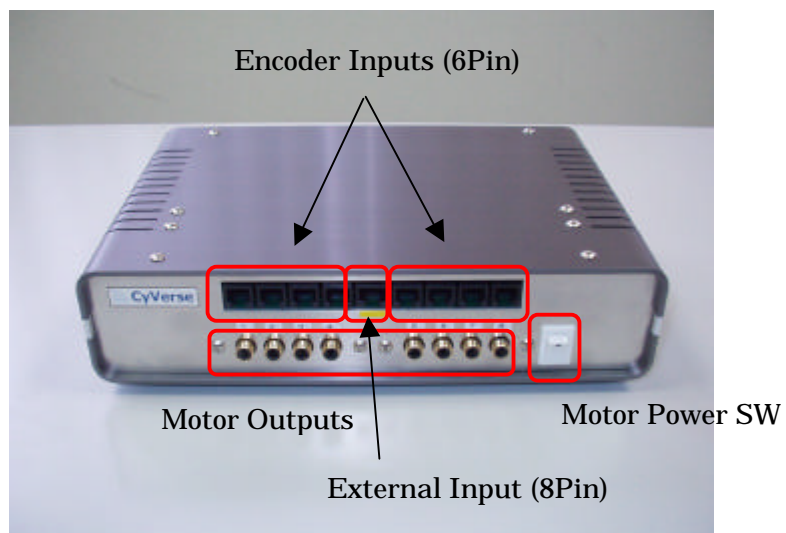
Motor Controller      Power Supply (24V, 5V), USB2.0 Cable  
(The actual product may differ from the photograph)

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

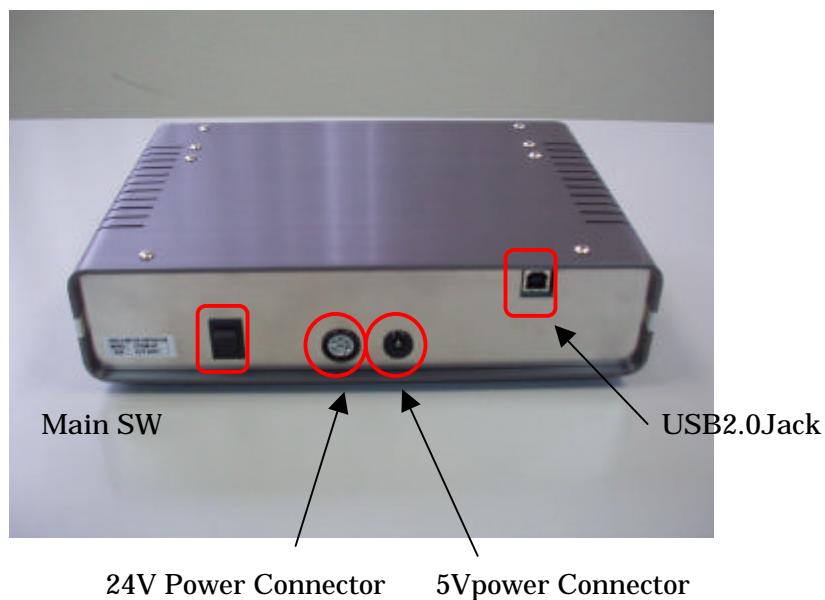
## Hardware Specification

Item	Specification
PC Interface	USB 2.0
Box Size	260mm(W) x 60mm(H) x 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	1.6kg
Power Supply Mass	830g (24V power supply), 390g (5V power supply)
Encoder Input	2 phase encoder input x 8 channels
Encoder Resolution	24 bit x 8 channels (reset, count up/down)
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)
Data Input Time	250 micro seconds (minimum 125 micro seconds)
Data Output Time	125 micro seconds
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



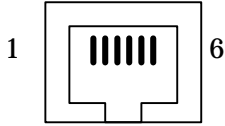
Front Panel



Back Panel

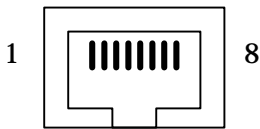
## Pin Arrangement (Front Panel This Side)

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



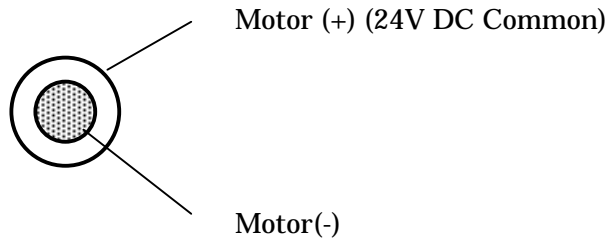
Pin No.	Signal
1	N.C.
2	Encoder Phase A
3	5V DC
4	Encoder Phase B
5	GND
6	N.C.

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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