CTD-100 Series Card Gate Adjustment

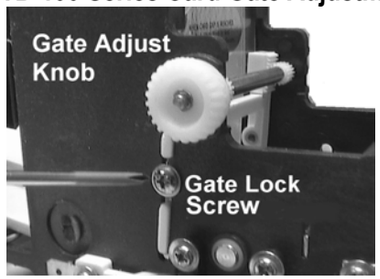

Figure 5

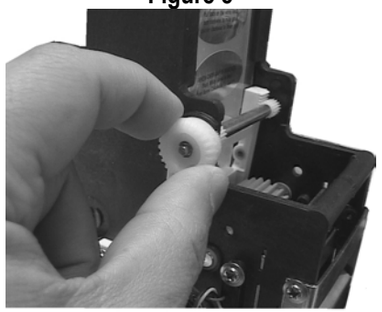

Figure 6

Figure 7

1. Loosen Gate Lock Screw (see Figure 5)
2. Slide ONE card forward under the gate tip, until it will not go any farther forward. (See Figure 7)
3. Pull out & turn the Gate Adjust Knob (Figure 6) until the gate tip barely presses on the top of card. (See Figure 7)
4. Gently slide a 2nd card (see Figure 7) over 1st card to gate tip area to ensure that it will not go under the gate tip.
5. Push in the Gate Adjust Knob, and tighten the Gate Lock screw.
6. Test the card dispenser with at least 5 cards and re-adjust the gate tip if necessary.

CTD-200 Series Card Gate Adjustment

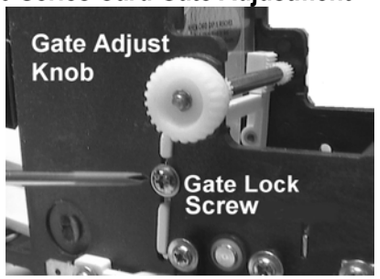

Figure 8

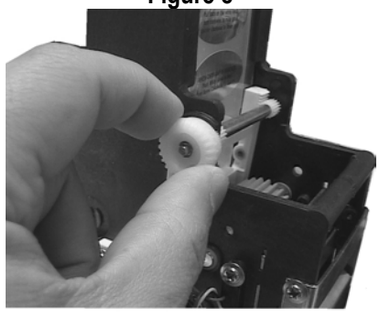

Figure 9

Figure 10

1. Loosen Gate Lock Screw (see Figure 8)
2. Slide ONE card forward under the gate tip, until it will not go any farther forward. (See Figure 10)
3. Pull out & turn the Gate Adjust Knob (Figure 9) until the gate tip barely presses on the top of card. (See Figure 10)
4. Gently slide a 2nd card (see Figure 10) over 1st card to gate tip area to ensure that it will not go under the gate tip.
5. Push in the Gate Adjust Knob, and tighten the Gate Lock screw.
6. Test the card dispenser with at least 5 cards and re-adjust the gate tip if necessary.

Contact

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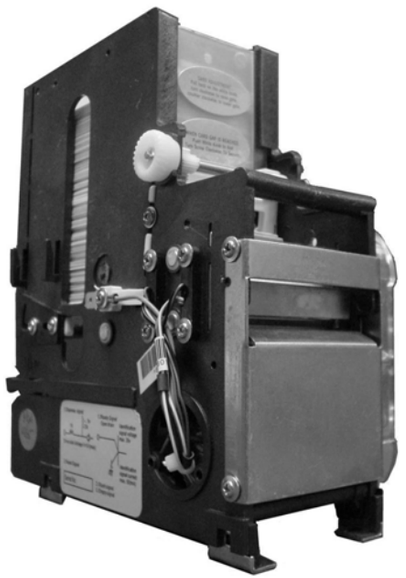
CTD-100/CTD-200 Series Quick Start Guide



Latest Revision: November 2011

CTD-100/200 Series Dispenser Versions

CTD-100/CTD-200 – V1.86 Standard TTL Card Dispenser
CTD-100/CTD-200 V2.00 – Accumulator Card Dispenser
Power Supply Requirement: +24VDC 1A

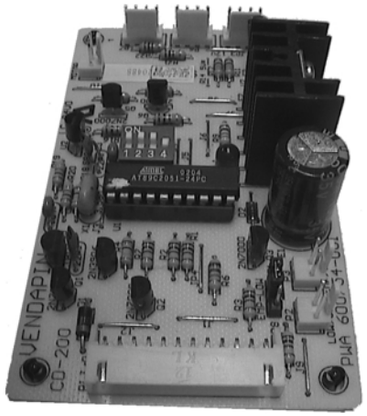


Figure 1: VCB-1 Board

CTD-102/CTD-202 – USB Card Dispenser, V1.14
CTD-103/CTD-203 – RS-232/RS-485 Card Dispenser
Power Supply Requirement: +5VDC/+12VDC 1A, V1.14

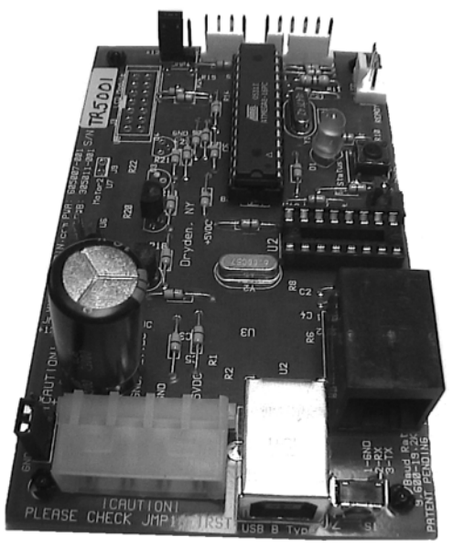


Figure 2: VCB-2 Board

CTD-200 Card Dispenser

VCB-1 TTL Pinout Details

Pin #	Wire Color	Connector	Description
1	Black	Ground	P.S. Ground
2	Orange	+24VDC	P.S. +24VDC Input
3	Black	Ground	Dispense/Vend Switch to Ground
4	Brown	/Vend or /Dispense	Dispense/Vend Card after 30mS+ to Gnd
5	White	/Reset	Reset card dispenser after 30mS+ to Gnd
6	Yellow	/Low	Card/Ticket low switch option (LED)
7	Green	+12VDC w/ 1KΩ	For Ready signal (#8)
8	B/W	/Ready	Ready signal – (connected to LED to #8)
9	Blue	+12VDC w/ 1KΩ	For Stuck signal (#10) – connect to LED
10	Yellow	/Stuck	Stuck signal – (connected to LED to #9)
11	Violet	+12VDC w/ 1KΩ	For Empty signal (#12) – connect to LED
12	Yellow	/Empty	Empty signal – (connected to LED to #11)

Note: PIN #1 – left side of VCB-1 board (see Figure 1)

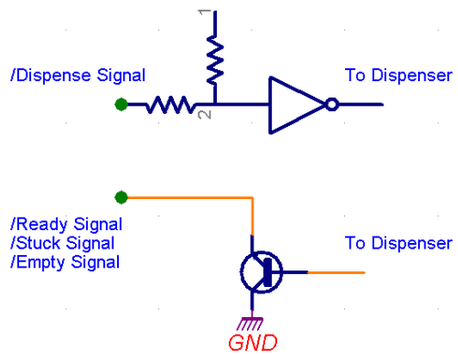


Figure 3: TTL Logical Diagram

VCB-1 Dip Switch Position:

Position 1	Position 2	Position 3	Position 4
API Set On/Off (Default:OFF)	Reserved (Default:OFF)	Reserved (Default:OFF)	Card Hold On/Off (Default:OFF)

API Set: Standard = OFF, CECB4 API = ON (Default: OFF)
Card Hold: Default – OFF (fully ejected the card), ON to hold the card.

Rear of VCB-2 Interface Board

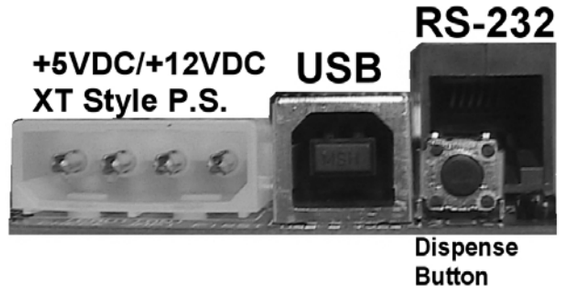


Figure 4: VCB-2 Ports

VCB-2 XT Style Connector:

PIN #	Description
#1 (Left)	+12VDC – Maximum 2 Amp
#2	Ground
#3	Ground
#4	+5VDC – Maximum 2 Amp

VCB-2 USB Type B

Use USB Type A to USB Type B cable for connecting to PC USB Type A port.

VCB-2 True RS-232 RJ-12 Port

PIN #	Description
#1 (Left)	Ground
#2	Data Receive
#3	Data Transmit

VCB-2 Reset Button (see Figure 2, near green LED)

VCB-2 Empty/Ready LED Header (see Figure 2)

VCB-2 Dispense Button

This dispense button is used for:

- To test the general card dispenser operation
- To set the card dispenser status to "READY" after the first dispense to allow the card to move to cover the rear card sensor (**Note:** EMPTY status is set by default if no cards are in card dispenser stack.).
- Adjust the card gate adjustment.

Communicating to Card Dispenser

Please refer to the API protocol documentation on the API CD. You will need to add the function routines to your host application software before it can communicate with the card dispenser via USB or RS-232 protocols. We recommend you use the Card Dispenser API Tester software to test the USB / RS-232 card dispenser operation.

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Additional documentation can be found on the CTD-202/203 Card Dispenser API Tester CD.

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