

## AP4000 Mounting

Take a moment to study the replacement board looking at the connectors. Notice that, other than the 19 pin C300 connector, they closely match the position on the original board. The 19 pin connector will be rotated and plugged into the P6 header on the board. There will be 3 pins at the top that overhang the header.

Use the washers provided and install on the existing studs. Attach cables and power the machine.

## AP 6000 Mounting

Optional mounting kit VH190 required.

Follow the VH190 directions for mounting. Note the discussion above about the C300 connector. Also note that the 6000 display will plug into the connector with overhang. The small "power" board (to the left of the original board) is no longer needed.

## Installation test

How I test:

- Power the machine. Hear "beep" on power up (and BV cycle).
- See display decimal point blink.
- Press keypad keys, see on display and hear beep.
- Press service button. Then press a valid letter & number. See motor run. Or press 12 and 14 together to run all motors.
- Payout nickel, dime, quarter.
- Press operate button. Insert coin and see credit.

Done

## Bill Acceptor

110V Validator should be configured for long pulse (7 and 8 off).

The \$1 acceptance is controlled by the quarter and nickel low tube sensors. If the \$5 accept dip switch is on, \$5 acceptance is controlled by board coin count showing more than \$12.75 in the coin tubes.

The board has a BV enable led. The led has 4 possible states:

On steady	BV bill(s) enabled.
Off	BV inhibited.
Slow blink	BV inhibited - low quarter or nickel tube.
Fast blink	\$5 Dip sw on \$5 inhibited - less than \$12.75

The blinking is at the same rate as the display. If the BV enable is fast blinking, the display will also fast blink as an external indication.

Note: on logic mechs -if tubes are filled manually, the internal coin count will be revised to high tube value as soon as a coin of that value is routed to the cash box. So fill the tubes, then vend in 1 of each coin. Tube values are calculated every 5 seconds.

To enable escrow, turn on the dip switch.

An optional harness VH227, is available to use a Coinco BA30. Because this is a high level interface, the validator will never stop taking bills. No credit will be lost. Escrow is not supported.

## Removed Features

-C300 support. Connector still needed.

## MDB Devices:

Use optional MDB harness kit VH192

With an MDB coin mechanism you may use either a “pulse” validator or an MDB validator.

### MDB bill validator:

In addition to the comments about the 110V validator, with the MDB version the \$5 enable switch should be thought of as “all bills” (vs low bill). That is if you set the BV switch's to allow a \$10, it will accept as long as the conditions are ok for the 5. To use the coupon free vend, the \$5 accept switch must be on.

### MDB coin mechanism:

MDB coin mechanisms count coins. The various manufactures and generations work differently with power off and cassette removal. The coin count is used to enable the bill validator and correct change light. Another problem is that MDB coin mechanisms do not pay air. If the validator does not enable, you may need to vend in some coins. Token free vend is supported.

To payout coins, use the buttons on the coin mechanism.

### Mexican coin mechanisms:

If a Mexican coin mechanism is attached, coins will display as actual value. When pricing the machine, prices will increment by .50.

# Troubleshooting

-No beep on power up. If no +5 led check power plug. If +5 led ok possible bad board. Remove all connections but power and try again.

-Beeper squeals. No coin mech. Recheck connectors and coin mech.

-No inventory payout and no BV cycle -check 110VAC

-No inventory payout (6000). Check 110V **DC** at 2 pin connector at right end of P5 connector.

-No motors. Motor power led does flash. Check motor connector orientation. No led check 24VAC.

# Features

-Beeper.

-Selection under price will show the item price for 3 seconds.

-\$1 and \$5 bill acceptance.

-Token and coupon free vend.

-Debit card.

-Optional optical delivery detection system.

-MDB coin mech with \$1 coin payout.

-Internal sales meter.

-Change payout countdown

-Stutter (motor will stutter beginning about 2/3s of cycle).

-DEX data support.

### Operate mode

-Blinking decimal point shows machine ready to take money.

-Letter+number will show price for 3 seconds.

-Tray home test when door is closed. If a tray is open the letter will display and the beeper sound.

### Set Price

- 11 Decrease price.
- 12 Increase price.
- Letter |+ number = set price
- Letter +13 = set whole shelf where motor present.
- 14 = set whole machine where motor present.

**Check price (and sales meter) Press CP for DEX read.**

- Letter + number = show price
- 11 Sales high half xxx,x
- 12 Sales low half xx.yy

**Service mode**

- Inventory payout .25, .10, .05
- Selection will run that motor.
- 11+13 = Home motors.
- 12+14 = Run all motors. Price is displayed as motor runs. Unset prices show as \$12.75

Greenwick Inc.  
610-857-5910 9-4 ET