

ARBORTRONICS

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Change Machine

Model ARB-V19



DESCRIPTION

The Change Machine is designed to accept currency and make change for that currency in coins. The change machine consists of a Large Coin Tray, Bill Validator, Coin Acceptor (optional), Mechanical Counter, Control Board, two Compact Change Hoppers and two Indicator LEDs. The change machine is housed in a secure metal cabinet made of 13 Gauge Steel, with a 3-point locking mechanism and a security flange on the hinge side of the door. A mounting base (pedestal) is also available.

The change machine uses a MDB bill validator for bill acceptance. Bill acceptance is usually configurable through settings on the bill validator itself (in the form of dipswitches, etc) For specific settings or specifications on the bill validator please consult the bill validator's manual, which is included inside the machine upon shipping. A Mars Electronics Cash Flow 330 coin acceptor is also available as an optional secondary method of currency acceptance.

A non-resettable mechanical counter mounted inside the cabinet accumulates the number of dollars accepted by the change machine. The control board, mounted on the inside back wall of the cabinet controls the operation of the change machine. A set of four dipswitches mounted on the control board configures the change machine for the various hopper configurations available on this machine, as well as entering the machine into test mode. See the table below.

The two change hoppers are mounted on separate hinges for ease loading and emptying. To fill or empty the hoppers simply tilt the hopper forward for access. After filling the hoppers, always press the button mounted on top of the mechanical counter. To test the hoppers, enter test mode by turning SW4 on. Test the first hopper by pressing the button on the control board and the second by pressing it again.

The LEDs on the front of the cabinet indicate the status of their respective hopper (ex. right LED, right hopper). If the LED is lit, the corresponding hopper is functioning properly. If the LED is not lit, the hopper is either empty or malfunctioning.

Note that for change machines with at least one 25¢ hopper, if the other hopper is empty, the change machine will continue to operate but will reject \$20 bills. For change machines which have a \$1 and a \$2 hopper, if the \$1 hopper is empty the change machine will continue to operate but will reject \$5 bills.

DIP Switch Settings

	SW1	SW2	SW3	SW4	Mode
0	X	X	X	ON	TEST
1	ON	OFF	OFF	OFF	2 Hopper 25¢
2	ON	ON	OFF	OFF	2 Hopper \$1
3	ON	ON	ON	OFF	2 Hoppers 25¢ and \$1
4	OFF	ON	ON	OFF	2 Hoppers \$1 and \$2

Other combinations of coins and/or tokens are available.

SPECIFICATION

\$2 Hopper Capacity (approx)	400 Coins
\$1 Hopper Capacity (approx)	400 Coins
25¢ Hopper Capacity (approx)	600 Coins
Bill Validator Interface	MDB
Coin Acceptor (optional)	CashFlow 330
Supply Voltage	120V AC 60Hz
Current	1A (max)

Payout Ratios (Default)

For 25 ¢ and \$1 hoppers:

\$1 Coin	4 x 25 ¢	\$2 Coin	4 x 25 ¢ + 1 x \$1	\$5 Bill	8 x 25 ¢ + 3 x \$1
\$10 Bill	12 x 25 ¢ + 7 x \$1	\$20 Bill	24 x 25 ¢ + 14 x \$1		

For \$1 and \$2 hoppers

\$2 Coin	2 x \$1	\$5 Bill	3 x \$1 + 1 x \$2
\$10 Bill	4 x \$1 + 3 x \$2	\$20 Bill	8 x \$1 + 6 x \$2

Other payout ratios are available as factory options.

Change Machine Dimensions

Weight	56lb	(25kg)
Height	15.5"	(39cm)
Width	20"	(51cm)
Depth	9"	(23cm)

Pedestal Dimensions (Optional)

Weight	37lb	(17kg)
Height	35.5"	(90cm)
Width	20"	(51cm)
Depth	9"	(23cm)

Mounting Diagram

