

8. Check operation of the VN2300:

- Set vend price for under \$1 (see vendor or coin changer operation manual)
- Insert \$1 bill and observe that it is accepted and stacked.
- Make vend and verify proper amount of change is returned.
- Remove the bill from the magazine (see instructions on the label located on the Bill Acceptor magazine).

CLEANING

The VN2300 series will not need cleaning as often as magnetic sensing Bill Acceptors. If cleaning is required, use a soft cloth moistened with mild, non-abrasive detergent. Refer to label located on the back of the magazine for cleaning instructions.

CHECK LIST

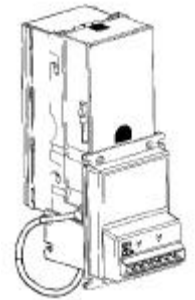
If a problem occurs	Please check the following
Unit dead (won't power up).	<ol style="list-style-type: none">1. Harness(es) may be loose, not properly connected, or bent pins.2. If Ardac T-adaptor cable has been used at power up, the unit is defective.3. Check source voltage to ensure that power is being supplied to the bill acceptor.
Red message light flashing twice (disabled from coin mech). NOTE: If flashing other than twice refer to label located on back of the magazine.	<ol style="list-style-type: none">1. Make sure coin mech has enough change to cover all lower coin tube sensors.2. Check settings on both the controller and bill acceptor to ensure that proper interface options are being used. For more information on interface options check the machine manufacture service guide.3. On controller applications make sure that the door switch is closed. Then vend one time using coins only.
Unit takes a bill, but won't credit.	<ol style="list-style-type: none">1. Check interface switch on coin mech to see if the correct interface option is being used. Single price applications should be in either low level or high level interface mode.



VN2300 Series Installation Guide

GENERAL INFORMATION

This document contains information for installing the Mars Electronics VN2300 Series Bill Acceptor. This Bill Acceptor is designed to fit into the standard bill acceptor opening provided by vending machine manufacturers. It mounts on either the existing four mounting studs located in the vending machine or on the mounting bracket provided in various mounting kits.



Features of the VN2300 include:

- \$1 and \$2 bill acceptance
- 1 or 2 way acceptance of bills
- Easy Access to the bill path even while mounted
- Diagnostic LED (see back of unit)
- Multi-Drop Bus and Vending Interfaces (115/24V)
- Lighted Bezel (On Compact Model Only)

INTERFACE OPTIONS

The 24V VN2300 supports AC/Low Level Pulse and MDB interfaces. The 115V VN2300 supports AC/Low Level Pulse interfaces. Depending upon the model you order, one of the following harnesses will be supplied:

- 250077006 115 VAC Power Cable (AC/Low Level Pulse)
- 250075007 24 VAC Power Cable (AC/Low Level Pulse)
- 250071009 24 VAC Multi-Drop Bus Interface (MDB)

INTERFACE OPTIONS (CONTINUED)

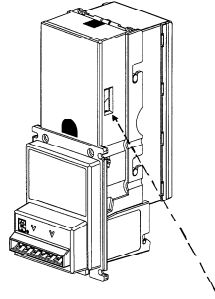
Note: These harnesses fit onto the male connectors located on the left side of the Bill Acceptor (see Fig. 4) and are designed to connect to the vending machine controller's or coin changer's Bill Acceptor interface harness. For further information on either interface harnesses or mounting kits, please contact your supplier.

INSTALLATION INSTRUCTIONS

1. Set Bill Acceptor option switches

Note: When you receive the product, all switches are off. This will automatically enable the options as follows;

- Accept \$1, \$2 dollar bills.
- Two way accept.
- High Security accept.
- 30ms on/ 50ms off pulse (Short Pulse).



Important note: Placing any switch ON will override the above option, and the Bill Acceptor will operate according to the switch settings label ! (See Figure 2.)

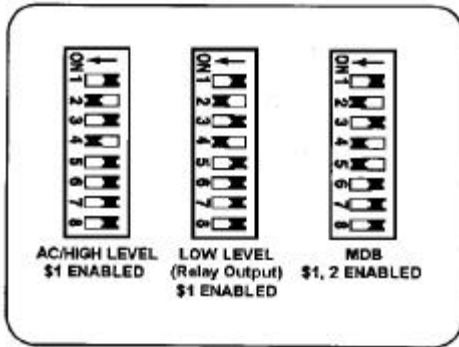


Figure 3
(Typical Switch Settings)

2. Remove power from the vending machine.

3. Connect the VN2300 to the appropriate interface harnesses. (See Figure 4.) Forcing harness(es) into bill acceptor will cause pins to bend or break.

DO NOT USE THE ARDAC T- ADAPTER CABLE!

IMPORTANT NOTE: Dressing of harness wires around the front of the Bill Acceptor stacker may be necessary in some machines to prevent the sharp edges of nearby assemblies from damaging harness casing and wires.

Bill Acceptance Switch		
1	2	
1 way	ON	OFF
2 way	OFF	ON
Switch 3		
High Acceptance	OFF	
High Security	ON	
Switch 4 5		
	\$1	\$2
Accept = ON	Reject = OFF	
	ON	1
	←	2
		3
		4
		5
		6
		7
		8
	OFF	
	→	
Unassigned		
Switch 6	OFF	
Switch 7	OFF	
Switch 8	OFF	

Figure 2

INSTALLATION INSTRUCTIONS (CONTINUED)

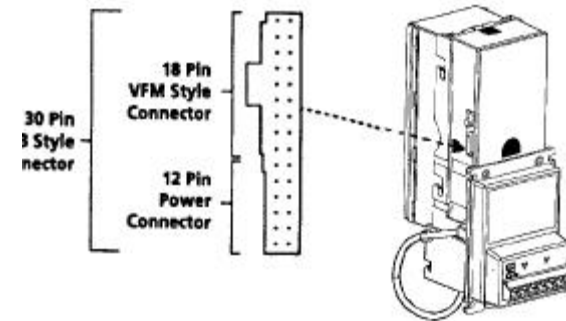


Figure 4

4. Install the VN2300 onto the Bill Acceptor mounting studs and through the mounting hole of the vending machine. Secure using the appropriate hardware.

NOTE: On 110V units, attach the enclosed tie-wrap to the mounting stud closest to the harness connection on the Bill Acceptor. Pull tie-wrap tightly around harness wires, including ground wire (equipped with ring terminal), to provide strain relief. See Figure 5.

5. On 110V units, place the ring terminal of the ground wire onto one of the mounting studs and secure with appropriate hardware. See Figure 5.

IMPORTANT NOTE TO OEMs: Step 5 must be performed prior to Machine Dielectric Voltage - Withstand (Hi-Pot) Testing.

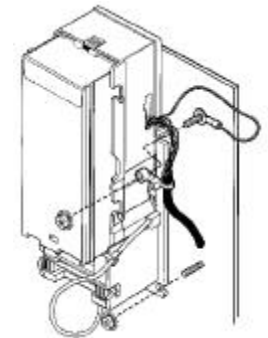


Figure 5

6. Load the coin changer's coin tubes with sufficient coins (at least ten each).

7. Apply Power to the vendor and observe that the power indicator light on the back of the VN2300 is ON and NOT flashing. Note: If the light is flashing, refer to the label located on the back of the magazine for a description of the diagnostic codes and check the following:

- Power has been applied to the vending machine.
- The coin changer has adequate change.
- The machine has product.
- The vendor's display does not indicate that credit has been established.