



838 East Jefferson Street
Brooksville, Florida 34601-4202
Corporate Office Telephone: (352) 796-2693
Cell: [1] 352-279-7727, Sales Fax: (775) 521-1673
Sales Web Site: <http://www.vendapin.com>
E-mail: sales1@vendapin.com

WARNING

FAILURE TO CAREFULLY OBSERVE THE
FOLLOWING INSTRUCTIONS COULD
RESULT IN SEVERE EQUIPMENT DAMAGE.

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**INSTRUCTIONS FOR INSTALLING VENDAPIN VENDING PRODUCTS
TO THE UNIVERSAL MODEL I MACHINE HARNESS**

1. Start with a functional copier, set to factory specifications and fully tested in all modes of operation.
2. Unplug the copier or printer from the AC power receptacle.
3. Remove copier or printer covers as necessary to complete the machine harness installation.

NOTE

Copier's that support the Key Counter or Copy Counter and connector continue with **Step 4**. Copier's that do not support the Key Counter or Copy Counter go to **Step 5**.

4. Copier's using the Key Counter or Copy Counter connector may have:
 - a) A "Jumper Plug" installed in Key Counter or Copy Counter connector. Remove the "Jumper Plug" and go to Step 4d.
 - b) A "Jumper Wire" installed in the wire harness going to the Key Counter or Copy Counter connector. Cut "Jumper Wire" and go to Step 4d.
 - c) Key Counter or Copy Counter activated by copier firmware. Use Service manual to activate and go to Step 4d.
 - d) Using a supplied splice connector, attach the VENDAPIN machine harness **BLACK** wire to one of the corresponding copier ENABLE wires on the wiring side of the Key Counter or Copy Counter connector.
 - e) Using a supplied splice connector, attach the VENDAPIN machine harness **WHITE** wire to the remaining corresponding copier ENABLE wire on the wiring side of the Key Counter or Copy Counter connector. This completes the wiring needed to perform the ENABLE/DISABLE function of the printer or copier.
- 4F. The two remaining printer or copier wires going to the Key Counter or Copy Counter connector provide the copy count pulse for each copy made. Use the manufacturers printer or copier Service Manual general wiring diagram to determine which of the two remaining copier wires going to the Key Counter or Copy

Counter connector has a CONSTANT supply +24 DC voltage and which copier wire has the /COUNT signal.

- 4G. Using a supplied splice connector, attach the VENDAPIN **RED** wire to the copier wire with the CONSTANT supply voltage.
- 4H. Using a supplied splice connector, attach the IPSI **GREEN** wire to the copier wire with the /COUNT signal. This completes the wiring needed to perform the RESET or COPY COUNT function.
- 4I. If the COUNT signal from the Key Counter or Copy Counter circuit is too late in the copy cycle. Remove the VENDAPIN machine harness **GREEN** wire from the Key Counter or Copy Counter wire and remove the VENDAPIN machine harness **RED** wire from the Key Counter or Copy Counter CONSTANT supply voltage and go to STEP: 6.
- 5. Use the copier or printer O.E.M. Service manual general wiring diagram to help determine what is available in the copier to complete the VENDAPIN machine harness installation.
- 5A. To use the copier "PRINT" switch and "STOP/CLEAR" switch for the ENABLE/DISABLE circuit, the wiring between the copier's MAIN PCB and OPERATOR CONTROL PCB must be accessible to attach the VENDAPIN machine harness wiring to.
- 5B. Locate the copier wire between the Main PCB and Operator Control PCB going to the copier "PRINT" switch contact that is not common with the "Stop/Clear" switch. Cut or isolate and cut this copier wire back approximately 2.0 inches from the connector going to the Main PCB. Using a supplied splice connector, attach the VENDAPIN machine harness **BLACK** wire to the copier wire just cut going to the connector.
- 5C. Using a supplied splice connector, attach the VENDAPIN machine harness **WHITE** wire to the remaining copier wire just cut. This completes the wiring needed for the ENABLE/DISABLE.

NOTE

DO NOT CUT ANY OF THE REMAINING WIRES FOR THIS INSTALLATION

- 5D. Locate the copier wire between the Main PCB and Operator Control PCB going to the copier "Stop/Clear" switch contact that is common with the "PRINT" switch. Using a supplied splice connector, attach or isolate and attach the VENDAPIN machine harness **YELLOW** wire to the copier wire going to the "Stop/Clear" switch at the Main PCB connector.
- 5E. Find the copier or printer wire going between the Main PCB and Operator Control PCB going to the copier "Stop/Clear" switch contact that is not common with the "Print" switch. Using a supplied splice connector, attach or isolate and attach the VENDAPIN machine harness **VIOLET** wire to the copier wire going to the "Stop/Clear" switch at the Main PCB connector. This completes the wiring needed to prevent the user from receiving more copies than what is paid for.
- 5F. Continue with Step: 6
- 6. If the copier does not use the large capacity paper cassettes or the type of paper feed mechanisms allowing more than one sheet of paper in the paper feed path go to Step: 6A of the instructions. If the

copier uses the large capacity paper cassettes or paper feed mechanisms allowing more than one sheet of paper in the paper feed path go to STEP: 6B of the instructions.

- 6A. Use the copiers service manual, general purpose wiring diagrams to determine which copier wire going to the registration clutch or paper stopper clutch is the/clutch signal. Using a supplied splice connector, attach one of the VENDAPIN machine harnesses **GREEN** wires to the copier/clutch wire going to the registration clutch or paper stopper clutch.
- 6B. Use the Service manual general wiring diagram to locate the copier wires going to the paper bypass feed clutch and each of the paper cassettes or paper drawer feed clutches. Determine which copier wire is the /clutch signal. Using a supplied splice connector, attach one of the VENDAPIN machine harness **GREEN** wires to one of the copier's/clutch signal wires going to a paper cassette or paper drawer. Repeat this STEP for each of the copier's paper cassettes or paper drawers.
- 6C. Use the Service manual general wiring diagram to determine which copier wire is going to a CONSTANT supply voltage on the Main PCB. Using a supplied splice connector, attach the IPSI machine harness **RED** wire to the copier wire going to the CONSTANT supply voltage. This completes the wiring needed for the RESET circuit.
7. Mount the VENDAPIN Vending Access Control Unit at a convenient location on the copier, printer or copy stand, refer to the installation instructions in the Operator/Installation Instructions Manual. If the Control Unit is to be mounted on a Pedestal stand, refer to the instructions supplied with the Pedestal stand.
8. Route the VENDAPIN interface harness-cable from the VENDAPIN Access Control Product between the copier or printer side frame and base, to the VENDAPIN machine harness and mate the two nine-position connectors together. Also mate the VENDAPIN interface cable two-position (male) connector with the **ORANGE** wire and **BLUE** wire to the VENDAPIN power supply cord two-position (female) connector.
9. Secure the VENDAPIN Interface cable & machine harness wiring with cable ties to the existing copier wire harness. Make sure the VENDAPIN cabling is clear of all moving parts.
10. The installation is now complete. It is recommended that the system be tested before replacing any of the copier covers. Refer to the Operator/Installation Instruction Manual for proper set-up and test procedures of the vending access control product. Once the system test has been completed and verified, replace all the copier covers and plug the copier and VENDAPIN power supply into the proper AC receptacles.

NOTE

IF THE VENDAPIN MACHINE HARNESS OR INSTRUCTIONS DO NOT MATCH THE COPIER ELECTRICAL WIRING, IN WIRE COLOR, PIN LOCATION OR TYPE OF MATING PLUGS, PLEASE CALL OUR TECHNICAL SERVICE **HOTLINE** AT [1] 352-795-2693 or e-mail to: support@vendapin.com