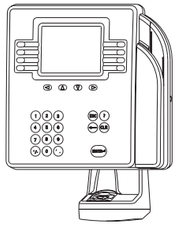
ADP QuickPunch
Finger Scan Verification Device
Installation Guide

The ADP QuickPunch® finger scan verification device allows you to require employees to perform verification when they swipe a badge or enter their personal identification number (PIN) at the Series 4000 timeclock. To use the verification devices, Your ADP host system must include the ADP Quick-Punch software.



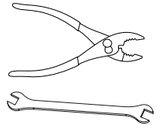
When you attach the finger scan verification device to the Series 4000 timeclock, the device must lie flat against the mounting surface.

Tools You Will Need

No. 2 Phillips screwdriver

Security wrench (ships with Series 4000

Pliers or 1/4 inch (6.35 mm) wrench



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Determining the Part Number of the Timeclock

Important: *If the part number of the timeclock is 8602000-4xx*, you *cannot* mount the timeclock with the finger scan verification device away from an AC outlet. You must mount the timeclock over (covering) an AC outlet or use an internal AC outlet. Also, the finger scan verification device connects differently to the main board in the timeclock depending on the part number of the timeclock.

Determine the part number of the timeclock in either of the following ways:

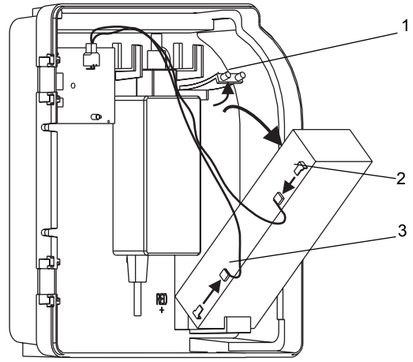
- Look at the bar code label on the bottom of the timeclock (the underside of the time-clock as you look at the display and keypad). The part number is directly above the bar codes.
- If the Series 4000 timeclock uses firmware version 2.0 or higher, access Maintenance mode at the timeclock and run the Hardware Report. The part number of the timeclock is included in the report output on the screen. For more information about the Hardware Report, refer to the *Series 4000 Timeclock User's Guide*.

Preparing for the Installation

Do the following **only if** you are adding the ADP QuickPunch verification device to an installed and assembled Series 4000 timeclock. Otherwise, go directly to "Installing and Connecting the Verification Device" to begin the installation.

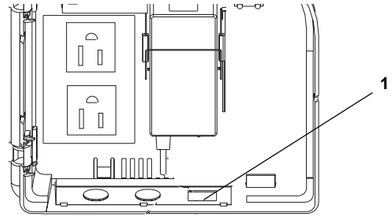
1. Use the security wrench to loosen the security screw on the right side of the timeclock and open the cover.
2. Inside the timeclock, *unplug the power cord from the electrical outlet.*

3. *Perform this step only if there is a backup battery installed in the timeclock.*
   a. Tilt the battery out of its position by pushing up on the top bracket (1) and pulling the top of the battery outward.
   b. Disconnect the **black** wire from the negative battery terminal (2). Then, disconnect the **red** wire from the positive battery terminal (3) and remove the battery.

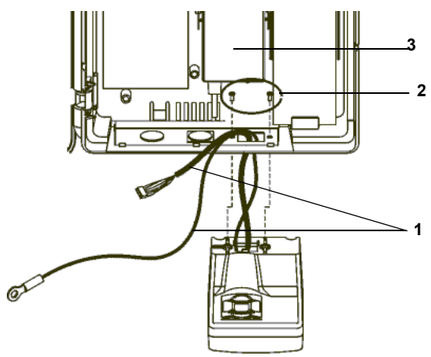


Installing and Connecting the Verification Device

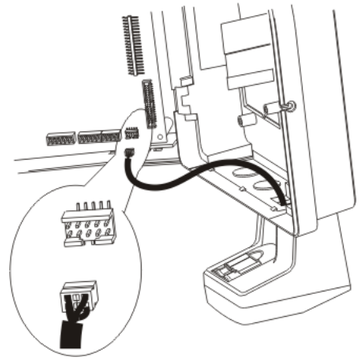
1. Refer to the next illustration to see if there is a black plate covering the right square cable access hole (1) in the bottom of the timeclock. If there is a plate, use a 1/4 inch (6.35 mm) wrench to remove the two nuts on the screw posts, and remove the plate.



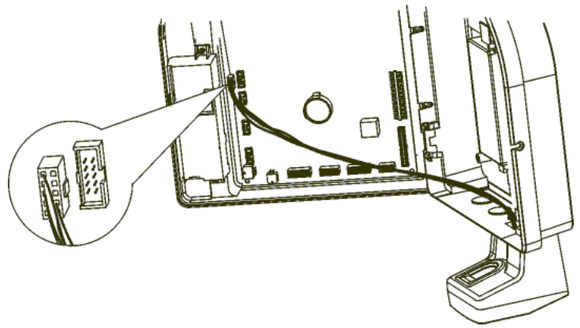
2. To attach the device to the timeclock:
   a. Thread the device's cable and ground wire (1) into the timeclock through the square access hole and align the screw holes in the device with the holes in the base of the timeclock.
   b. Install the two mounting screws (2) using a No. 2 Phillips screwdriver. If necessary, slide the transformer (3) up slightly so that you can more easily install the screws.



3. *If the part number of the timeclock is 8602004-4xx or 8602800-4xx*, plug the cable into the RS-232 connection on the main board:



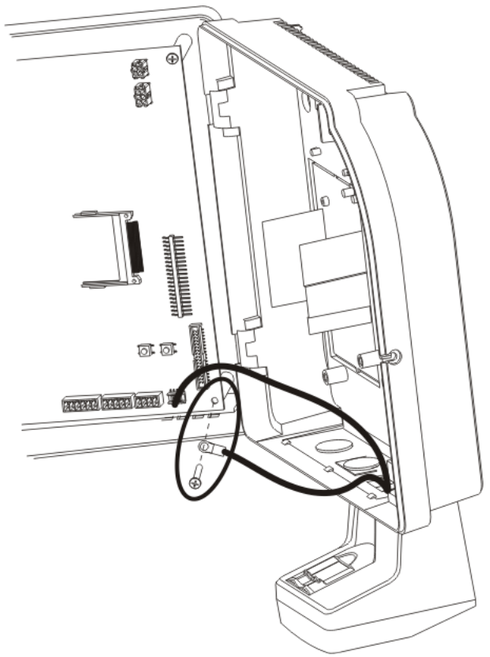
If the part number of the timeclock is 8602000-4xx, plug the cable into the RS-232 connection on the main board:



4. Ground the verification device by attaching the green ground wire to the main board of the timeclock. Where you attach the ground wire depends on the timeclock model and which optional devices are installed in the timeclock.

Warning: Failure to attach the ground wire to the main board will result in damage to the finger scan verification device.

- If the part number of the timeclock is 8602800-4xx, the screw in the lower right corner of the main board is green. Attach the green ground wire to the screw in the lower right corner of the main board. Refer to the circled area in the following illustration:



If the part number of the timeclock is 8602004-4xx or 8602800-4xx and you installed the timeclock away from an external AC outlet, or with the Power-over-Ethernet Option Kit, attach the ground wire to the screw in the *upper* right corner of the main board.

Note: If you are in the process of installing the Series 4000 timeclock, refer to the *Series 4000 Timeclock Installation Guide*. Otherwise, proceed to the next step.

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5. If you removed the backup battery, reinstall it now, connecting the wires of the charger board cable to the battery terminals in the following order:
   a. Connect the **red** wire to the **positive** terminal, near the bottom of the battery.
   b. Connect the **black** wire to the battery's **negative** terminal.
6. Plug the timeclock back into the electrical outlet.
7. Close the cover of the timeclock enough so that you can view the screen as the timeclock initializes itself. The timeclock performs internal diagnostics, starts the operating system and timeclock application, and then the Comm Setting (communication settings) screen shown below appears. This process takes approximately one minute.

For more information about specifying communication information, refer to the *Series 4000 Timeclock Installation Guide*.

Changing comm settings causes a reboot!		
Device ID		
Telnet/FTP	NO	
DNS	NO	
DHCP	NO	
IP Address	127.1.1.1	
Gateway		
Subnet Mask		
DNS IP		

8. After the Comm Setting screen appears, close the timeclock cover and lock it using the security wrench. Then, refer to the *Series 4000 Timeclock Installation Guide* for instructions about configuring the timeclock.

   If the Comm Setting screen does not appear, contact your TLM Representative for assistance.

Specifications

Sensor resolution:	250 dots per inch (dpi)
Active pixels:	128 x 128
Image capture area:	13 mm x 13 mm
Image sensor:	AuthenTec AF-S2
Output:	RS-232
Power:	5 volts regulated at 1 amp
Operating environment:	Temperature: 0 to 40 degrees Celsius, 32 to 104 degrees Fahrenheit Humidity: 10% to 95% non-condensing
Static discharge:	Protected up to 15 kV (IEC 61000-4-2 Lvl 4)
Weight:	6.4 oz. (180 grams)
Dimensions:	OEM fingermask; 39 mm x 39 mm; vendor portal: 35 mm x 35 mm; DSP board: 63 mm x 43 mm x approximately 10 mm
Device capacity:	4,000 biometric templates (in non-volatile flash memory)
Security levels:	Variable from none to normal
Finger rotation:	+ or - 18 degrees maximum
Finger displacement:	+ or - 7 mm maximum
False acceptance rate:	1:1000, based on normal security
False rejection rate:	1:1000, based on normal security
Verification time:	Approximately three seconds
Equal error rate:	0.1% at normal security
Template size:	348 bytes

When using and applying the information generated by Kronos products, customers should ensure that they comply with the applicable requirements of federal and state law, such as the Fair Labor Standards Act. Nothing in this Guide shall be construed as an assurance or guaranty that Kronos products comply with any such laws.

FCC Compliance—After testing, this equipment complies with the limits for a Class A digital device pursuant to Part 15 of FCC Rules. These limits provide reasonable protection against harmful interference when this equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy. If it is not installed and used in accordance with the instruction manual, it can cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case, the user, and not ADP, Inc., is required to correct the interference. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and television reception.

Canadian DOC Compliance—This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

EN 55022 (CISPR 22)—This product is a Class A product. In a domestic environment, it may cause radio interference in which case the user may be required to take adequate measures.

RoHS Directive—Series 4000 timeclocks that are assigned part number 8602800-xxx, and all optional hardware devices currently qualified to work with the timeclock are designed in accordance with the European Union Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment ("RoHS") Directive (2002/95/EC), taking effect July 1, 2006. The RoHS directive prohibits the sale of electronic equipment containing certain hazardous substances such as lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyls ("PBB") and polybrominated diphenylethers ("PBDE") in the European Union. Kronos has a program in place to address the requirements of the RoHS Directive in respect to the various categories of electronic products.

Document Revision History

Document Revision	Release Date
B	December 2007

Note**:** To obtain the English or Spanish version of this document, contact your TLM representative.

Nota: Para consultar o imprimir este documento en otros idiomas, comuníquese con un representante de administración de tiempo y trabajo.

Remarque: Pour consulter ou imprimer autres versions linguistiques de ce guide, communiquez avec votre représentant en gestion des heures et des présences.