

Quick Start Instructions

Required items for Setup / Installation:

- This Quick Start Guide – Included
- A VeriProx unit with mounting plate and pigtail connection cable – Included
- CD containing application software, Installation and Operation Manuals - Included
- A ball-end 1/16 inch hex key to attach the mounting plate - Included
- Security hex key needed to reveal the RJ-12 Aux port - Included
- An RJ-12 to DB-9 cable for programming the unit through the Aux port - Included
- Computer running Windows 98 or NT– Not Supplied
- DC power

Optional items for Setup / Installation:

- Networking cable, Wiegand door controller, and Proximity Cards – Not Supplied
- RS-232/RS-485 Converter – Not Supplied

Getting Started

Before installation please do the following:

- Read both the Operations and Installation Manual (Documents included on the CD-ROM)
- Install the VeriProx Administration Software on a PC/Laptop.
- Configure VeriProx units with correct baud rate and unique Network ID numbers.
- Become familiar with VeriProx operation, and enrolling users using the PC software

NOTE 1: The VeriProx is shipped with its main communication port (on the pigtail) set for RS-485 connection. This can be configured to RS-232 by the installer if so desired. The auxiliary port (RJ-12 connection on the bottom) is always set to RS232. The VeriProx is shipped with each of these set to a baud rate of 9600 bits per second (baud).

NOTE 2: Please note that proper grounding of the unit is very important for reliable operation, and that installing a unit without proper grounding will void the warranty. Refer to the installation manual for specific information.

Setting Up the VeriProx

Wire Colors have CHANGED. See Pigtail Wire Colors at end of document

- Install the VeriProx Administration Software (included on CD) on a computer running Windows 98 or NT to initially set up the VeriProx. *You can install the template management software on your computer by running "Setup.exe" found on the CD.*
- Apply power to the VeriProx through the pigtail: connect DC power (6-24 V) to the Red wire, and the power return (power ground) to the Black wire. **(*Wire Colors have CHANGED. See Pigtail Wire Colors at end of document!)**
- Connect the programming cable to the Aux port in the bottom of the unit after opening with Security hex key.
- Run / Open the VeriProx administration software on your PC (See Enrolling Fingerprint below). Configure the software for the correct PC COM Port and set the baud rate to 9600 (or use the Baud Search function). From this software you will be able to change communications parameters, assign an RS-485 network ID, enroll or delete users, distribute templates to all VeriProx units on a network, store templates on the PC, and make command cards that allow you to enroll or delete users at the VeriProx without using a PC.
- Make the Wiegand OUTPUT connection to the controller: connect the controller Data1 to the White wire, the controller Data0 line is connected to the Green wire, and from the controller ground to the VeriProx Black w/ White wire. **(*Wire Colors have CHANGED. See Pigtail Wire Colors at end of document!)**
- OPTIONAL: Network the VeriProx units: connect the RS-485 (+) lines for each VeriFlex in a Daisy Chain and do the same for the RS-485 (-) lines. Connect the (+) line to the converter B channel, and connect the (-) line to the converter A channel. **(*Wire Colors have CHANGED. See Pigtail Wire Colors at end of document!)**

Using the VeriProx

Indicator	Meaning
RED	Not Verified / Invalid Card
FLASHING RED	Present Card to be deleted
GREEN	Verified / Enrollment Accepted
YELLOW	Place Finger on Sensor
FLASHING YELLOW	Present Card to be enrolled/added to reader

Best Performance Practices / Finger placement

The VeriProx unit should be mounted in a position that takes these factors into consideration: ease of use, at a height that allows for proper finger placement, in line with other switch plates or fixtures, and in accordance with *Americans with Disabilities Act* where applicable. Recommended mounting height is 48-54" from floor to sensor level.

Typically, using either the index or middle finger provides the best performance. We recommend you do NOT use thumbs or pinkies (little finger), but we do recommend that you enroll an alternate finger on your other hand (total of 2 fingers enrolled).

Enrolling a Fingerprint

Click on the "Enroll" button in the template management window that is opened when you start the software. Enter a template ID number (which is the card number you wish to use) in the box, and click on "Enroll." Place your finger on the VeriProx sensor with the RidgeLock under the first joint of your index or middle finger. Hold your finger in position with moderate pressure until the LED on the top of the VeriProx turns off. The computer will show two lines of stars that indicate the Quality and Content of the enrollment. If either of the lines has less than three stars click on the enroll button again to re-enroll the finger or an alternate finger (please refer to the operations manual). Once you are satisfied with the enrollment, specify whether this card will be a user, enroll, or delete card, and click on "Accept."

NOTE: The more stars you get in enrollment, the better the enrollment and you will be rewarded with better performance and ease of use.

After installation, use this procedure to make enroll and delete command cards for all administrators who will be using the system. Command cards allow administrators to add and remove users from a VeriProx unit directly (without using the PC software). Please refer to the VeriProx Operations Manual for more details.

Verifying a Fingerprint

Place your finger on the sensor when the light turns solid Yellow. Position your finger so that the "ridge lock" (the ridge on the fingermask) fits into the crease of your finger before placing your fingertip on the sensor. Hold your finger on the sensor with moderate pressure until the Yellow LED turns off.

Using Command Cards

User cards can be created either from the PC or by using an enroll command card (see above). To enroll a user at the VeriProx, the administrator will present the enroll command card to the VeriProx. The top LED turns YELLOW, and the administrator places his/her finger on the sensor until the LED turns off. If the administrator fingerprint is verified, the top LED will turn GREEN for a short time and then will FLASH YELLOW. The new user card is presented to the VeriProx, and the top LED will then turn YELLOW. The new user will place their finger on the VeriProx sensor and hold it (as described above) until the light goes out. After a short time, the top LED will either turn GREEN indicating a successful enrollment, or RED indicating that the enrollment quality was not sufficient for reliable operation. In the case of a failed enrollment attempt, either try a different finger, or refer to the operations manual for further guidance.

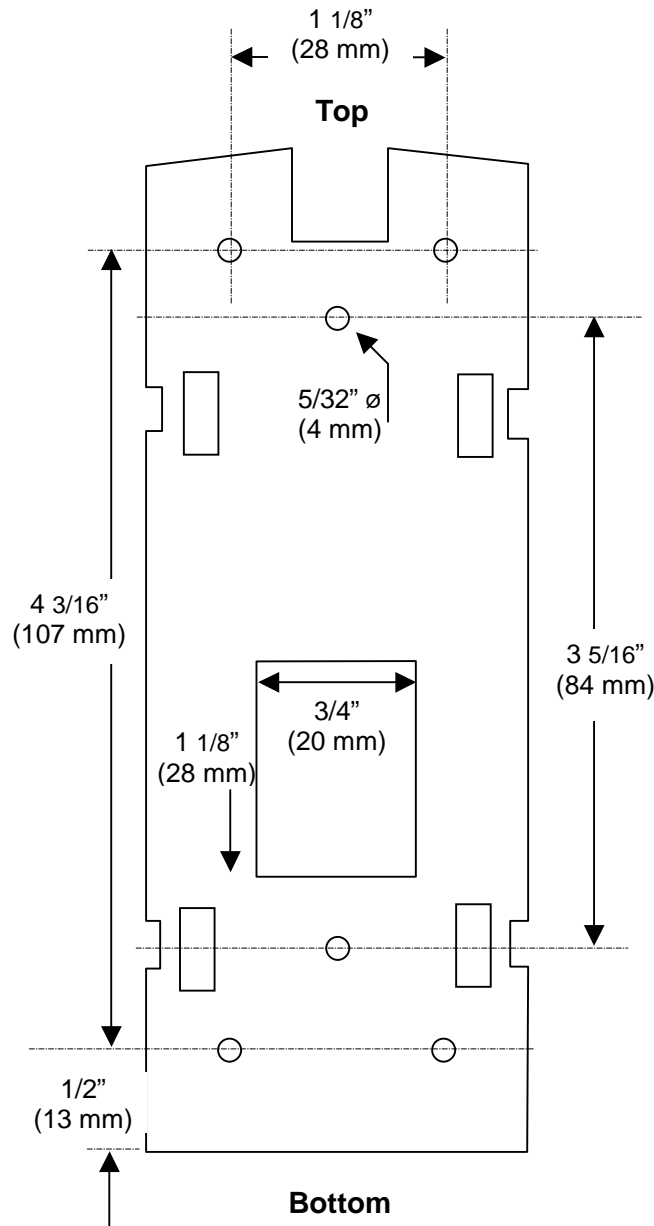
In Normal Operation when a finger is verified, the top LED will turn GREEN, and the users card number is passed to the access control panel via the Wiegand output. If the finger is not verified, the top LED will turn RED (note: a failure Wiegand code can be enabled, please refer to the operations manual).

VeriProx Pigtail Connections

Pin #	Old Color	New Color	Signal	Connect to
Jacket	Grey	Blue		
1	Red w/Blk	Green	Wiegand Out Data 0	Controller Data 0
2	Grn w/Blk	Green w/White	Wiegand In Data 0	Card Reader Data 0
3	Org	White	Wiegand Out Data 1	Controller Data 1
4	Org w/Blk	White w/Black	Wiegand In Data 1	Card Reader Data 1
5	Grn	Gray	Reserved	
6	Red	Black w/White	Wiegand GND	Wiegand GND
7	Blu w/Blk	Blue w/Black	RS-485 (-)	RS-485 (-)
8	Wht	Blue	RS-485 (+)	RS-485 (+)
9	Blk w/Wht	Violet	RS-232 Tx	RS-232 Rx
10	Red w/Wht	Violet w/White	RS-232 Rx	RS-232 Tx
11	Blk	Black	Power GND	Power return
12	Grn w/Wht	Black w/Red	Signal GND	RS-485 GND or cable shield
13	Blu w/Wht	Red	Unregulated input (7-32 VDC)	Power (6-32 VDC)
14	Blu	Red/White	Regulated input (5 VDC)	May be used as output
15	Wht w/Blk	Green w/Yellow	Shield	Earth Ground

VeriProx Mounting Template

Centerline holes on the Mounting plate are positioned to allow mounting to a single-gang box. Four outer holes are for secure mounting into drywall or other surfaces. The VeriProx should only be mounted on a flat surface. The cutout provides access for the detachable pigtail wire bundle.



Bioscrypt Inc.
5000 Van Nuys Blvd.
Suite 300
Sherman Oaks, CA 91403

Toll Free: (888)98-BioID
Phone: (818)501-3908
FAX (818)461-0843

<http://www.bioscrypt.com>

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