

Evolution 3Bio

Time and Attendance and Access Control Terminal

Using the latest biometric technology, winner of international awards, Acronym has developed an extremely fast and precise terminal in data collection for time and attendance and access control. This new technology prevents employees from clocking in for their colleagues, and eliminates the usual "I forgot my card" excuse.



• Evolution 3Bio Terminal

The Evolution 3Bio terminal can also be used for access control, denying access of unauthorized personnel to buildings and facilities. All movements within critical zones can be easily controlled and registered in a database.

Its operation is very simple: to clock in or out the employee will only need to place his/her finger on the biometric sensor. If the employee has authorized access his/her name will appear on the terminal screen.

It communicates with the PC through TCP/IP over Ethernet 10Base-T. It is therefore possible to connect this terminal to an existing PC network, which facilitates its installation.

In case of power line failure, its internal UPS is automatically activated, ensuring an autonomous operation for at least 4 hours.

The Evolution 3Bio terminal includes one port for door bell or siren activation (to signal the beginning and end of work), and another one to control electronic locks or turnstiles.

Being developed and manufactured with the latest technology on microprocessors and network communications, it is considered a high performance terminal.

This terminal comes equipped with RFID technology, being able to read RFID cards and tags.

The Evolution 3Bio is the latest of the Evolution brand, a brand already trusted by many companies to help them in their human resources management.

PREFACE

The Evolution brand of terminals offers a wide range of possibilities and versatility in the time and attendance and access control systems. The latest model of this brand to be launched into the market is the Evolution 3Bio terminal.

This terminal allows making clockings only using the employees' fingerprints. Optionally, and for increased security, one may force the employee to insert a PIN or pass a RFID card followed by the fingerprint.

An access schedule can also be attributed to each user, prevent him/her from using the terminal at time off his/her schedule.

The registration of new fingerprints is performed on the terminal in an easy and fast way. When there is more than one terminal in the same company, the fingerprint templates can be copied between terminals, thus avoiding the need to register the same fingerprints in all terminals.

Thanks to its keyboard, the Evolution 3Bio can also store incidents, service exits and entrances and task control.

The Evolution 3Bio is the best market solution on a quality/price relationship.



• Evolution 3Bio Terminal

APPLICATIONS

- Time and Attendance
- Access control
- Task management
- Visits control (entrances/exits)

Evolution 3Bio Time and Attendance Terminal

SPECIFICATIONS

BASE

CPU	8-bit microprocessor at 11 MHz 32-bit microprocessor at 200 MHz
Keyboard	Keyboard 18 keys
Screen	Screen Graphical 128x64 px with backlight LED
Sound	Sound Wave or Beep
I/O Ports	I/O Ports 2 ports for external readers 1 port for siren activation 1 port for electronic lock activation 1 input

READERS

Biometric	Winner of international awards Images stored in 380-byte templates with no possibility of reversion 1000 fingerprints in 1-n comparisons 1-n research in less than 2 seconds 1-1 comparison in less than 1 second False Acceptance Rate < 0.01% False Rejection Rate < 1%
Proximity	Readings until 130 mm of distance Operates at 125 kHz No deterioration, no maintenance needed

POWER SUPPLY

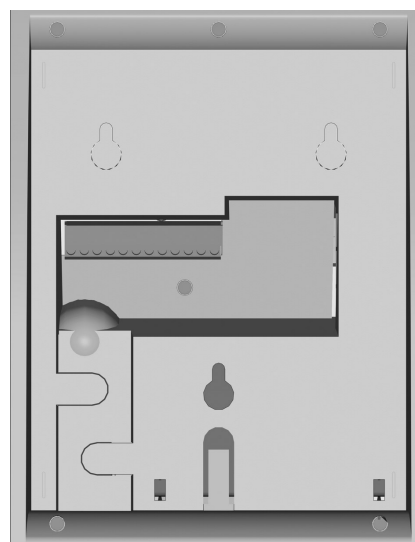
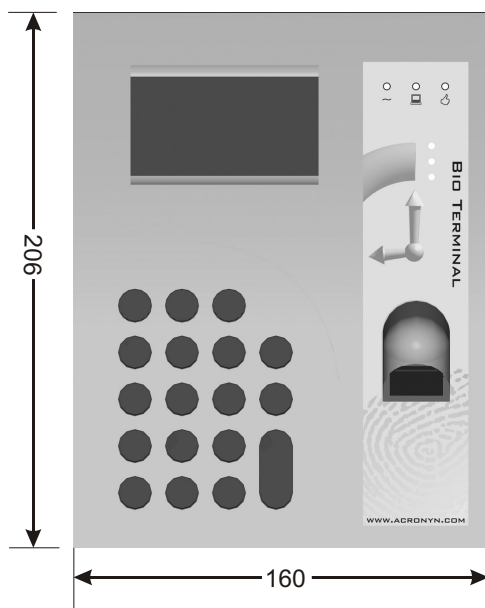
Power feed	9 Volts AC/DC Current 250 mA
Batteries	Rechargeable battery with an 4-hour autonomy

SOFTWARE AND DEVELOPMENT

Software and Development	Time Report Time Access IOB Control ActiveX Evo3Control ActiveX
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PHYSICAL AND ENVIRONMENTAL

Dimensions	160 x 206 x 45 mm (W x H x L)
Weight	300 grams
Temperature	5 – 50 °C
Moisture	0% - 95%



OTHER CHARACTERISTICS

Functionalities	Incidents Anti-passback Access plans Capacity control Daily and weekly work balances Minimum time between clockings Employee records with names Messages to employees Customizable screen with animations (TimeDraw) Multilanguage Firmware update Auto-check routines
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OPTIONAL CHARACTERISTICS

Communication	RS485 GSM onboard
External readers	Keyboard emulation TTL digital inputs Biometric (TTL / RS485)
Operating mode	On-line
Box	Various colors
Keyboard	Various colors Backlight