HandPunch 1000 Biometric Terminal

- The HandPunch terminal is a hand geometry clocking terminal, ideal to prevent buddy clocking and issues with lost cards.
- Various communication options available including; TCP/IP (using a Network convertor), RS232 (serial) and 3G (using 3G modem).
- Power supply to the HandPunch can range between 12V and 24V DC supply. Alternatively the HandPunch can be powered by a 12V DC boxed power supply incorporating a 7Ah lead-acid battery.

The HandPunch1000 Biometric hand reader is manufactured by Ingersol Rand and has sold in large numbers throughout the world, including major UK high street retail chains, hotels, factories, building contractor sites and offices.

As the HandPunch1000 records and stores the three-dimensional shape of the hand by measuring its shape and height rather than scanning finger or palm prints, the biometric hand geometry reader can cope with dirty hands, cuts and abrasions and even plasters on fingers. This means the HandPunch1000 can be used in environments where other biometric clocking machines may struggle to perform consistently.

There are also facilities to allow people with damaged hands or missing fingers to use the HandPunch1000 ensuring that it's a suitable device for your entire workforce.

The HandPunch1000 model is designed to grow with your business and hence is available in three different employee capacities: 50, 100 and 512 users. The 50 and 100 employee versions can be upgraded when required by purchasing an upgrade code that is typed directly into the unit. A built in battery backed up memory can store over 5000 clocking transactions.

Due to the HandPunch1000 using optical technology there are some considerations to be made when choosing its location. The reader should not be placed in an area where it is exposed to direct sunlight as this could affect the unit's ability to reliably identify employee hands. HandPunches have a minimum operating temperature of 5 degrees Celsius. Therefore the unit is not suitable for outdoor or cold environments unless a heating device can be installed to raise the local ambient temperature.

A BioCote® anti-microbial agent containing silver is applied to the plate of the HandPunch during its manufacturing process. The BioCote® silver-based additive remains active for the life of the HandPunch reader. This high-tech agent provides a durable and safe finish that makes the plate's surface cleaner and more hygienic.

Maintenance which the HandPunch benefits from is regular cleaning. This should be done using an alcohol free wipe or clean lint free cloth. Cleaning will aid not only with the general maintenance of the HandPunch but also with calibration.

MANAGING EMPLOYEES

Responsible employees should be assigned as supervisors to manage employees on the hand reader. A supervisor can then access the menu to enroll new or remove old employees.

Using the Focus software, employee and supervisor hand templates can be read from a HandPunch and saved to the database. These templates can then be sent to a different HandPunch clocking terminal if required, this saves double enrollment of employees.

TOLERANCE

The HandPunch can be easily adjusted to achieve the required tolerance balance between accuracy and inconsistent hand positioning. The tolerance can be altered within the system menu so that any inconsistency that occurs over time during the clocking procedure can be easily rectified.

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COMMUNICATION OPTIONS

The HandPunch1000 can be connected to via RS232 or TCP/IP. To achieve TCP/IP connection it is required to use a network convertor, which we can provide. Alternative options for connection include via 3G using a 3G modem and M2M G3 sim with a fixed public IP address.

TERMINAL OPTIONS

In addition to the HandPunch1000 model, also available are the HandPunch 2000 and 3000 models. These models have varying functionality including the presence of function keys, an access control relay and bell scheduling. The 3000 model is available in 512, 9782 and 32512 employee capacities. The 3000 model is also available with an integrated network card for direct TCP/IP connection.

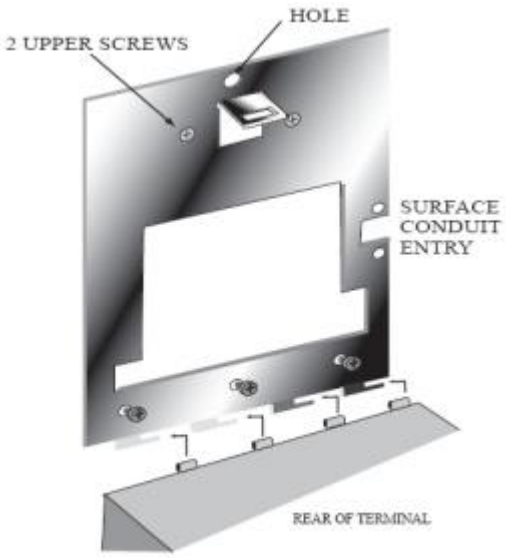
For more information on any of our products or services please visit us our website at: www.egress-sys.co.uk

HAND SCANNING OPERATION

The HandPunch clocking machines uses a two stage process of operating. This involves using a hand template in conjunction with a unique Personal Identification Number (PIN). Firstly an employee types in a PIN (pin length can be globally defined – 4 digits is normal) that locates their hand template in the terminal's record file. Following this, the employee places their hand on the plate to verify their identity. The entire process of clocking (In/Out) can easily be completed in 3-6 seconds. Hand verification actually takes less than 1 second.

Technical Details

Dimensions:	165mm (W) X 213mm (H) X 187mm (D)
Temp:	32 – 110°F
Power:	12 – 14V
Verification:	<1 Second
Capacity:	50, 100 or 512 employees
Weight:	6lbs (2.7 Kg)
Transactions:	5120
Template Size:	9 Bytes
ID No. Length:	1 – 10 digits
User Capacity:	50, 100 or 512 employees
Op. Mode:	Hand template + PIN
Mounting:	Wall or Desk mounting



Attaching the HandPunch to the Wall Plate

HandPunch Comparison Table

	HandPunch 1000	HandPunch 2000	HandPunch 3000
Transactions:	5120	5120	5120
Function Keys:	0	2	2
Bell Schedules:	No	No	Yes
Door Controls:	No	No	Yes
Event Monitoring:	No	No	Yes

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