## Recognition Systems
# HandPunch® 3000
### Biometric Time & Attendance Terminal

## Put your hands on the accurate, affordable solution.

Ingersoll Rand Recognition Systems now brings the accuracy and convenience of biometric technology easily within reach of any time and attendance applications. In operations that range from coal mines to clean rooms, Ingersoll Rand Recognition Systems have proven themselves to be a practical and precise solution. Our terminals are so affordable, it doesn't make sense to consider any other technology.

### Smarter than card-based terminals
There are no cards to create, administer, carry – or lose. The HandPunch® 3000 verifies employees' identities in less than one second, based on the unique size and shape of their hands. HandPunch 3000 clearly notifies each user of a match using red and green indicator lights. Because no one can punch in or out for your employees, the system reduces time theft and improves payroll accuracy.

### Versatile and programmable
Beyond a simple time clock, the HandPunch 3000 provides definable data management keys that allow data collection when employees punch. The readers transmit data to the time and attendance host PC through a variety of methods including direct wiring, modem and Ethernet. The HandPunch 3000 also has the ability to control a door. When you want to cut time and attendance costs...do it by hand.



### FEATURES & BENEFITS

· Saves money over card-based systems

· Eliminates Badges

· Eliminates Buddy Punching

· Fast and easy to use

· Provides the most accurate time and attendance solution available

## Hand Geometry Technology

The HandPunch® 3000 uses Ingersoll Rand Recognition Systems' field-proven hand geometry biometric technology. The terminal captures a three-dimensional image of the hand each time the employee punches. The hand's size and shape are used to verify their identity with unparalleled accuracy. No fingerprints or palm prints are utilized. Green and red lights notify the employee of the status of each punch. There's no question any more; employees have to be there to punch.

## Programmable Data Management Keys

The HandPunch 3000 has two user-definable data management keys that let you collect data as employees punch. Common uses include department transfers, tips collected, job codes, or pay codes. Multi-level data entry sequences may be defined. You can also set the data management keys to allow employees to review their past punches. To reduce keystrokes, the keys can also be set to automatically enter data such as a frequently used department number or in/out status.

## Communication Options

Whether your application calls for one terminal or thousands, the HandPunch 3000 can meet the need. Multiple terminals can be networked together at a site via RS-485 wiring. An optional Ethernet communications module or dial up modem are also available. Both options are internal to the terminal making installation fast and simple.

## Edit-at-the-Clock Functions

The HandPunch 3000 allows supervisors to override user restrictions and to input such items as missed punches, planned vacations, and sick time at the terminal. The password-protected mode provides greater supervisor flexibility by lessening the need for computer edits. Audit trails documenting the use of these functions are generated to ensure security.

## Bell Schedules

The bell schedule lets you program the day, time and duration of a series of bells. The bells can be programmed to signal the beginning or end of a shift, lunch or break.

## Door Control

The HandPunch 3000 provides the capability to unlock and monitor a door. Global timezones may be used to restrict employee access.

## SPECIFICATIONS

| | |
|---|---|
| Part Number: | HP-3000 |
| Size: | 8.85 in (22.3 cm) wide |
| | 11.65 in (29.6 cm) high |
| | 8.55 in (21.7 cm) deep |
| Weight | 6 lbs (2.7 kg) |
| Power: | 12 to 24 VDC or 12 to 24 VAC 50-60 Hz, 7 watts |
| Environment: | Operating: 32°F to 113°F (0°C to 45°C) |
| | Relative Humidity: 20% to 80% NC |
| | Non-operating (storage): |
| | 14°F to 140°F (-10°C to 60°C) |
| | Relative Humidity: 5% to 85% NC |
| Verification Time: | Less than one second |
| Memory Retention: | Up to 5 years via the standard internal lithium battery. |
| Transaction Storage: | 5120 transactions |
| ID Number Length: | 1 to 10 digits from keypad or card |
| User Capacity: | 512 users expandable to 32,512 users |
| Template Size: | 9 bytes |
| Communications: | RS-485 (4 and 2 wire) |
| | RS-232 Serial Printer Support |
| | or network communications |
| Baud Rate: | 300 to 28.8 Kbps |
| Card Reader Input: | Proximity, Wiegand, Magnetic Stripe, |
| | Bar Code (5 VDC provided by HandReader) |
| Card Reader Output: | Wiegand, Magnetic Stripe, |
| | Bar Code |
| Duress Code: | 1 leading digit (user definable) |
| Door Controls: | Door Lock Output |
| | (Sinks 0-24VDC, 100mA max) |
| | Door Switch Monitoring |
| | Bell Ring Output |
| | (Sinks 0-24VDC, 100mA max) |
| Time Zones: | 62 user definable time zones |
| Options: | BB-200   Operational Battery Backup |
| | BC-100   Bar Code Reader Wall Mount |
| | DC-102   Data Converter (RS-232 to RS-485) |
| | EM-801   Memory Expansion - 9,728 users |
| | EM-803   Memory Expansion - 32,512 users |
| | EN-200   Ethernet Communications Module |
| | MD-500   Internal 14.4 Baud Dial-up Modem |
| | WAR-EXT 1 year extended warranty |

**For more information contact:**

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**800-383-7756**

## Ingersoll Rand