# HRX Series Clocking Terminals

## ACCESS CONTROL

Optional access control of up to two doors, barriers or turnstiles via internal relays and inputs from external proximity readers. Access rights are configured through the Focus Pro software.

## FIRE ALARM ROLL CALL

HRX3000 and HRX5000 models can be connected to a Fire Alarm Panel or manual button to trigger a Fire Evacuation report to be automatically printed via the Focus Pro software. A serial printer can also be connected for direct Roll Call printing.

## FACTORY BELLS

A weekly timetable can be created to control the triggering of factory bells.

## RFID PROXIMITY

The use of contactless proximity cards/fobs with all HRX terminals prevents reader wear and therefore increases the reliability and lifespan of the equipment.

- Designed and manufactured in the UK, the HRX series of RFID proximity clock card terminals offer a variety of options to meet your requirements.
- Various communication options including TCP/IP, RS232, RS485, GSM Modem.
- Support of many different RFID formats including HID, Mifare, Paxton, Cotag, and PAC.

The HRX terminal series are specifically designed to operate with the Focus Time & Attendance software. They provide a highly reliable means of data collection with a wide range of functionality options.
HRX terminals can operate in two distinctive modes: **Intelligent** and **Non-Intelligent**.

Intelligent mode consists of one HRX being defined as a Master with other HRX terminals on the same network being defined as Slaves. The Master terminal handles all communication with the software as well as validating and recording all clocking transactions made on any terminal networked together. The Master terminal stores employee names and badge numbers which it uses for display purposes and it keeps a log of each employee's in/out status. The in/out status is used by the terminal when printing a fire alarm report via a serial printer and also for validation when used for access control. The majority of deployments use HRX terminals in intelligent mode.

Non-intelligent mode allows HRX terminals to record the clocking transactions simply as card numbers with a date/time stamp. The Focus software will subsequently assign the clocking transactions to the relevant employees. This mode has the advantage that the terminals do not need to communicate with each other and also employee details do not need to be stored in the terminal's memory. Non-intelligent mode configurations are normally used in companies with distributed locations or for organisations who use a lot of temporary workers where it would be impractical to update the clocking terminal with an employees' details before issuing them with a card.

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## POWER SUPPLY

HRX terminals are supplied with a 9V DC in-line switched power supply. They can be either plugged into a standard UK mains socket or wired into a fused spur (by a qualified electrician).

## CONFIGURATION

Prior to delivery, each HRX terminal can be pre-configured with a customer specified IP address and Subnet Mask.

## SPECIAL EDITIONS

A number of special editions of the HRX terminals are available, with features including: IP rated, Keypad, Function Buttons, Access Control Only and Biometric HandPunch terminal Hosting

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

# HRX Comparison Chart

| | HRX1000 | HRX3000 | HRX5000 |
|---|---|---|---|
| RS232 to PC | Y | Y | Y |
| TCP/IP to PC | Y | Y | Y |
| RS485 between terminals | N | Y | Y |
| TCP/IP between terminals | Y | Y | Y |
| Internal GSM modem option | N | Y | Y |
| Internal PSTN modem option | N | N | Y |
| HID | N | Y | Y |
| Mifare | Y | Y | Y |
| Paxton | N | Y | Y |
| Cotag | N | N | Y |
| PAC | N | Y | Y |
| Fire Alarm Input | N | Y | Y |
| Fire Alarm serial printer ports | 0 | 1 | 2 |
| Remote RFID reader ports | 0 | 0 | 2 |
| Relays | 0 | 0 | 2 |
| Numeric Keypad option | N | Y | N |
| HandReader Hosting option | N | N | Y |
| Display characters | 2 x 16 | 2 x 16 | 2 x 16 |
| Battery Backed Memory | Y | Y | Y |
| Power requirement | 9V DC | 9V DC | 9V to 12V DC |

# Technical Details

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|---|---|
| **Dimensions:** | HRX5000: 280mm (W) X 170mm (H) X 60mm (D) |
| | HRX3000:197mm (W) X 107mm (H) X 60mm (D) |
| | HRX1000: 157mm (W) X 83mm (H) X 50mm (D) |
| **Display:** | HRX5000 and 3000: 16 X 2 LCD with LED Backlight Display area: 100mm X 25mm |
| | HRX1000: 16 X 2 LCD with LED Backlight Display area: 64mm X 15mm |
| **Clockings:** | 15,000 in circular buffer |
| **Capacity:** | 25 to 1,000 employees, remotely upgradeable |
| **Firmware:** | Flash memory upgradeable over TCP/IP |
| **Battery Backup:** | Lithium battery for data and clock for 3 years |
| **Enclosure:** | Material – Flame retardant ABS |
| **Power Supply:** | 9V DC, 95mm X 45mm X 25mm |

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