

ACCESS CONTROL

PRODUCT GUIDE



<http://www.ringdale.com>

Connecting people and information



Ringdale offers a full range of access control technology that is adaptable to meet the security requirements of the vast majority of business environments.

Ringdale systems provide network capability and sophisticated software applications to allow control from the administrator's desk, even in large buildings or multi-access sites, providing an instant, auditable record of access control.

Access points can use almost any common form of existing ID technology such as swipe cards or keypads, as well as more sophisticated readers such as proximity cards and biometric readers for finger and/or face recognition.

Extensive Customer Base

Ringdale has built a comprehensive customer base ranging from small end-users to large blue-chip companies. This is partly due to the importance Ringdale places on quality and after-sales support, which makes a firm foundation for successful business relationships.

Worldwide Distribution

The worldwide demand for the company's products has led to support and logistics centers in Germany, Japan and the United States.

In-house Skills and Services

In Britain, the design and manufacture of Ringdale products takes place in Burgess Hill. In the USA, Ringdale has manufacturing facilities as well as a design team in Georgetown, Texas. Ringdale is able to provide competitive cost of ownership and high performance products through carrying out all of their own research and development, marketing and engineering.

Customer Support

An extensive network of authorized dealers and distributors, together with Ringdale's global support and logistics centers, ensure customers receive the highest level of support. Customer support is also available 24 hours a day, seven days a week from one of Ringdale's websites. In the USA, we can be reached at www.ringdale.com, in the UK at www.ringdale.co.uk and in Germany www.ringdale.de.

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Solo Network Access Controller with Battery Charger

For door access where reliable operation during power failure is required--combines power supply, battery charger and access controller

Ringdale's Solo Network Access Controller combines a power supply and battery charger, space for one lead acid battery up to 17 Ah, as well as a networkable access controller that can be connected to a number of reader devices such as proximity card/ swipe card readers, PIN keypad and fingerprint readers, and drive a number of locking devices, including Ringdale's pulse lock or electronic bolt for high security applications.

The Solo Network Access Controller is designed for driving one bolt or strike and one ID reader.

The access controller is suitable for use in any application, whether networked or stand-alone, which requires long continuous operation in the event of power failure, as it acts as an Uninterruptible Power Supply. In normal operation, the battery is trickle-charged via two mains transformers, and feeds the power to the built in controller. During a power failure, the battery continues supplying power.

The Network Access Controller can be used with Ringdale's range of ID readers and Ringdale's Pulse Operated Door Strike or Security Bolt, which require very little power to operate, vastly extending the operational time available during a power failure to 100 times that of conventional systems.

This controller can be integrated with most existing ID cards, including Wiegand, HID, Motorola and Keri systems.



Key Features

- Uninterruptible Power Supply
- Networked or stand-alone device
- Battery is trickle-charged for back up
- Can house battery up to 17 Ah
- Ideal for use with pulse operated door strike or security bolt
- Accepts matching ID reader, PIN keypad or fingerprint reader

Technical Specification

<i>LAN Attachment:</i>	<i>RJ45 for 10baseT</i>
<i>Suitable ID Readers:</i>	<i>Smart Card/RF Transponder Swipe Card, PIN Keypad, Fingerprint</i>
<i>Connections:</i>	<i>Terminal blocks for power, lock outputs and sensors RJ45 connection for Optional Touch Screen</i>
<i>Dimensions:</i>	<i>280 x 254 x105 mm</i>
<i>Mains:</i>	<i>230V AC or 110V available</i>
<i>Frequency:</i>	<i>50 -60Hz</i>
<i>Product No:</i>	<i>00-16-0418-2450 (230V version) 00-16-0418-1150 (110V version)</i>
<i>(TTL version - Swipe Card & PIN Keypad)</i>	<i>00-16-0433-2453 (230V version) 00-16-0433-1153 (110V version)</i>

Duplo Network Access Controller with Battery Charger

Suitable for driving two bolt or strike mechanisms and up to two ID readers

Ringdale's Duplo Network Access Controller combines a power supply and battery charger, space for one lead acid battery up to 17 Ah, as well as a networkable access controller that can be connected to a number of reader devices such as proximity card/ swipe card readers, PIN keypad and fingerprint readers, and drive a number of locking devices such as Ringdale's pulse lock or electronic bolt for high security applications.

The Duplo Access Controller is suitable for driving up to two bolts or two strike mechanisms and up to two ID readers.

The access controller is suitable for use in any application, whether networked or stand-alone, which requires long continuous operation in the event of power failure, as it acts as an Uninterruptible Power Supply. In normal operation, the battery is trickle-charged via two mains transformers, to provide for extra redundancy, and feeds the power to the built in controller. During a power failure, the battery continues supplying power.

The Network Access Controller can be used with Ringdale's range of ID readers and Ringdale's Pulse Operated Door Strike or Security Bolt, which require very little power to operate, vastly extending the operational time available during a power failure to 100 times that of conventional systems.

This controller can be integrated with most existing ID cards, including Wiegand, HID, Motorola and Keri systems.



Key Features

- Uninterruptible Power Supply - can house battery up to 17 Ah
- Networked or stand-alone device
- Charger charges the battery for back up
- Drives two bolts or two strike mechanisms and up to two ID readers
- Ideal for use with door strike or security bolt
- Accepts matching ID reader, PIN keypad or fingerprint reader

Technical Specification

<i>LAN Attachment:</i>	<i>RJ45 for 10baseT</i>
<i>Suitable ID Readers:</i>	<i>Smart Card/RF Transponder Swipe Card, PIN Keypad, Fingerprint</i>
<i>Connections:</i>	<i>Terminal blocks for power, lock outputs and sensors RJ45 connection for Optional Touch Screen</i>
<i>Dimensions:</i>	<i>280 x 254 x 105 mm</i>
<i>Mains:</i>	<i>230V AC (110V version available)</i>
<i>Frequency:</i>	<i>50 - 60Hz</i>
<i>Product No:</i>	<i>00-16-0433-2450 (230V version) 00-16-0433-1150 (110V version)</i>
<i>(TTL version - Swipe Card & PIN Keypad)</i>	<i>00-16-0433-2452 (230V version) 00-16-0433-1152 (110V version)</i>

ProxReader 20

Slimline, weatherized Proximity Card Reader for either indoor or outdoor use

Ringdale's ProxReader 20 is a compact proximity card reader that can be used in conjunction with any of Ringdale's networked or stand alone access controllers. The reader's small, discreet weatherproof design can be easily attached to a doorframe or wall either indoors or outdoors.

Ringdale's Access Control systems are based on a network attached access controller and a proximity card reader. Ethernet networks are more suited for deployment in large buildings due to their design, which makes them resistant to nearby lightning strikes. There is no limit to the number of access points when using Ringdale's Access Control system.

Every employee is issued an inexpensive proximity card. Each card has a unique built-in code that identifies each employee. To clock in or out, or to gain access to secure areas, the employee waves the card in front of an unobtrusive reader unit, which will then log the event and/or open a door lock if the cardholder has been granted access at that time. All events from every card reader are gathered by a central standard PC-based workstation, which may be situated anywhere on the Local Area Network (LAN) or Wide Area Network (WAN).

More than 10,000 users can be programmed with individual access patterns into any unit. The reader unit stores its database of cards and access times in Flash memory, in contrast to systems that rely on a battery to keep data intact during a power failure.



Key Features

- 20mm (1 inch) reading distance
- For use with Ringdale's Access Controllers
- Very low power (less than 0.25 watts)
- Suitable for solar powered and battery back-up applications
- Can be used as a stand-alone or networked reader
- Available in black or white finish

Technical Specification

<i>Device Type:</i>	<i>Smart Card/RF Transponder</i>
<i>Connection:</i>	<i>RJ11 (6 way)</i>
<i>Dimensions:</i>	<i>112 x 35 x 15mm</i>
<i>Product No:</i>	<i>00-16-0438-0050 (Black)</i> <i>00-16-0438-0051 (White)</i>

A rugged reader to be used with Ringdale's Access Controller, ideal for indoor or outdoor use

Ringdale's ProxReader 40 can be used in conjunction with any of Ringdale's networked or stand-alone access controllers. The device's rugged, weatherproof design is ideal for outdoor use, but is equally suitable for use indoors. The reader is small and discreet, and can be easily recessed into an interior or exterior wall. The reader is supplied with the PCB attached to the front plate, which can be fitted into any MK style light switch.

Ringdale's Access Control systems as well as Ringdale Time and Attendance Terminals are based on a network attached access controller and a proximity card reader.

Every employee is issued an inexpensive proximity card. Each card has a unique built-in code that identifies each employee. To clock in or out, or to gain access to secure areas, the employee waves the card in front of an unobtrusive reader unit, which will then log the event and/or open a door lock if the cardholder has been granted access at that time. All events from every card reader are gathered by a central standard PC-based workstation, which may be situated anywhere on the Local Area Network (LAN) or Wide Area Network (WAN).

More than 10,000 users can be programmed with individual access patterns into any unit. The access controller unit stores its database of cards and access times in Flash memory, in contrast to systems that rely on a battery to keep data intact during a power failure.



Key Features

- 40mm (1" inch) reading distance
- For use with Ringdale's Access Controller
- Very low power (less than 0.25 watts)
- Suitable for solar powered and battery back-up applications
- Available in black or white finish

Technical Specification

<i>Device Type:</i>	<i>Smart Card/RF Transponder</i>
<i>Connection:</i>	<i>RJ11 (6 way)</i>
<i>Dimensions:</i>	<i>85 x 85 x 35mm</i>
<i>Product No:</i>	<i>00-16-0430-2450 (White)</i> <i>00-16-0430-2451 (Black)</i>

Connects directly to Ringdale's Biometric Access Control systems, including the Solo and Duplo FP version Access Controllers

Ringdale's Fingerprint Reader is a compact reader unit designed to give a higher degree of security for door entry than conventional systems. The reader is compatible with Ringdale's Biometric Access Control System and the Solo and Duplo FP Door Access Controllers, used either networked or stand alone.

Authentication relies upon your fingerprint's unique, non-transferable, physical characteristics to gain entry to provide the highest levels of access control available. The simple touch of a fingertip will open the door to an authorized user.

This system reduces initial outlay costs, with no need for keys or cards to be issued to every user. It is also a more convenient and secure method of entry for the user, as they do not need to carry cards or keys with them.

The system works by decoding individuals' fingerprint information into a unique code and does not store users' fingerprint images.



Key Features

- Convenient and secure method of controlling door entry
- Authentication relies upon a fingerprint's unique, non-transferable, physical characteristics to gain entry
- Higher security than conventional systems
- No keys or cards to carry
- Reduces outlay costs - no need to issue keys or cards for every user
- Compatible with Ringdale's Biometric Access Control System and Duplo FP Access Controller

Technical Specification

<i>Device Type:</i>	<i>Smart Card/RF Transponder</i>
<i>Connection:</i>	<i>RJ11 (6 way)</i>
<i>Dimensions:</i>	<i>104 x 35 x 21mm</i>
<i>Fingerprint sensor scan area:</i>	<i>1.5cm x 1.25cm</i>
<i>Fingerprint sensor resolution:</i>	<i>500dpi</i>
<i>Network Protocol:</i>	<i>TCP/IP</i>
<i>Network Interface:</i>	<i>Ethernet 10baseT Product</i>
<i>Product No:</i>	<i>00-16-0443-2450 (Black)</i>

Proximity Card Reader (HID+Motorola Compatible)

A 26-Bit Wiegand Proximity Card Reader (left) for use with Ringdale's FollowMe Printing System or Ringdale Access Control Systems as well as the Motorola-compatible Proximity Card Reader (right), suitable for use with any of Ringdale's Access Control systems.



00-16-3000-0050

00-16-4030-0050



00-16-4000-0050

00-16-4000-0051

Magnetic+Rugged Magnetic Swipe Card Reader

Magnetic Swipe Card Reader (left) and the Rugged Magnetic Swipe Card Reader (right) for use with Ringdale's FollowMe Printing System and Ringdale Access Control Systems.



Product No:

00-16-0451-0050

Rugged PIN Keypad Reader

Rugged PIN Card Reader for indoor or outdoor use. May be used with any of Ringdale's Access Control systems, as an alternative to card, swipe or fingerprint readers. The keypad features 0 to 9 with Clear and Enter.

Method/Type	HID	Motorola	Swipe Card	Rugged Swipe	Rugged PIN Keypad
Proximity	✓	✓			
Magnetic Swipe			✓	✓	
PIN No					✓
Technical Spec					
Dimensions(mm)	76x39x28	102x39x28	89x23x23	124x39x40	89x72x22
Material(s)	Impact Resistant Plastic	Impact Resistant Plastic	Plastic	Polished Stainless Steel	Plastic Aluminum

Access Keypad with Fingerprint Reader

Popular combi reader designed for networked or stand-alone use with Ringdale's access control systems



Ringdale's compact Access Keypad with Fingerprint Reader offers flexible and secure control of doors, printers or time and attendance equipment. The unit can also connect directly to Ringdale's Biometric Access Controller or Duplo FP Access Controller to provide higher levels of security than conventional readers.

Authentication relies upon a personal PIN code (up to 10 numbers) that is entered into the keypad and your fingerprint's unique, non-transferable, physical characteristics to gain entry to provide the highest levels of access control available. Simply by entering the code and touching a fingertip on the sensor will open the door to a recognizable authorized user.

This system reduces initial outlay costs, with no need for keys or cards to be dealt out to every user. It is also a more convenient and secure method of entry for the user, as they do not need to carry cards or keys with them.

The system works by decoding individuals fingerprint information into a unique code and does not store users fingerprint images.

Key Features

- Convenient and secure method of controlling door entry
- Combined authentication relies upon a numeric code and a fingerprint's unique, non transferable, physical characteristics
- Compatible with any of Ringdale's Access Control Systems, Time & Attendance and FollowMe Printing systems
- Decodes fingerprint information into a unique code - does not store fingerprint image
- Simple RJ12 connection to any Ringdale access system

Technical Specification

<i>Fingerprint sensor resolution:</i>	<i>500dpi</i>
<i>Fingerprint sensor scan area:</i>	<i>1.5cm x 1.25cm</i>
<i>KeyPad:</i>	<i>0 - 9, Clear & Enter</i>
<i>Connection:</i>	<i>1x RJ12 6 way</i>
<i>Product No:</i>	<i>00-16-2443-0100 (Silver)</i>
	<i>00-16-2443-0200 (Black)</i>
	<i>00-16-2443-0300 (Blue)</i>
	<i>00-16-2443-0400 (Gold)</i>

Access Keypad with Fingerprint and Swipe Reader

*Most popular combi reader,
designed for networked or stand-
alone use with Ringdale's access
control systems*

Ringdale's compact Access Keypad with Fingerprint and Swipe Card Reader offers flexible and secure control of doors, printers or time and attendance equipment. The unit can also connect directly to Ringdale's Biometric Access Controller or Duplo FP Access Controller to provide higher levels of security than conventional readers.

The reader combination is ideal for installations such as airports and other large organizations, where existing swipe cards are being used for access control. This concept allows the user to immediately use swipe cards for access and gradually migrate to fingerprint recognition.

Authentication can be programmed to rely upon a personal identification number(PIN) that is entered into the keypad, and/ or your fingerprint's unique, non-transferable, physical characteristics to gain entry to provide the highest levels of access control available. Simply by entering the code and touching a fingertip on the sensor, the door will be opened to the authorized user.

This system reduces initial outlay costs, with no need for keys or cards to be issued to every user. It is also a more convenient and secure method of entry for the user, as they do not need to carry cards or keys with them.

The system works by decoding individuals' fingerprint information into a unique code and does not store users' fingerprint images.



Key Features

- Convenient and secure method of controlling door entry
- Combined authentication relies upon a numeric code, individual swipe card and/or a fingerprint's unique, non-transferable, physical characteristics
- Compatible with any of Ringdale's Access Control Systems, Time & Attendance and FollowMe Printing systems
- Decodes fingerprint information into a unique code - does not store fingerprint image
- Simple RJ12 connection to any Ringdale access system

Technical Specification

<i>Fingerprint sensor resolution:</i>	<i>500dpi</i>
<i>Fingerprint sensor scan area:</i>	<i>1.5cm x 1.25cm</i>
<i>KeyPad:</i>	<i>0 - 9, Clear & Enter</i>
<i>Connection:</i>	<i>1x RJ12 6 way</i>
<i>Magnetic Swipe Reader:</i>	<i>Track 2 read only</i>
<i>Product No:</i>	<i>00-16-3443-0100 (Silver)</i>
	<i>00-16-3443-0200 (Black)</i>
	<i>00-16-3443-0300 (Blue)</i>
	<i>00-16-3443-0400 (Gold)</i>

GateKeeper Biometric Door Entry Controller

Self-Contained Biometric Access Controller GateKeeper (for fingerprint reader only)

The Ringdale GateKeeper Biometric Access Controller is suitable for use in almost any home and provides security and access for one door or two doors without the need to use a conventional key. Entry is gained using the latest biometric fingerprint recognition technology.

The Domestic Access controller can manage one lock (either a door strike or a bolt) with a fingerprint reader situated outside the secure area to provide entry. An extra fingerprint reader is located on the controller for convenient enrollment.

This device does not require any additional hardware or PCs to operate. The built-in keyboard and two-line LCD allows convenient menu-driven programming and language selection. An Uninterruptible Power Supply (UPS) comes as a separate item and can provide a battery back-up that can be hidden away while the controller unit is kept in an accessible area for adding or deleting users.

The keypad has a Personal Identification Number (PIN) system to protect the access controller from tampering. The cable between the UPS and the access controller can have a maximum length of 164 feet (50 meters). The cable between the access controller and the fingerprint reader can have a maximum length of 131 feet (40 meters).

All voltages and signals are below 15 volts.



Key Features

- Stand-alone use - computer rooms, office supplies, etc.
- Convenient - extra biometric reader included in enrollment station
- Self Contained - has built-in two line LCD and keypad for programming
- Secure - reader and controller are separate
- Low power consumption - very long battery backup
- Up to 15 users and multi language support
- Audit trail - Quick Delete - PIN Protected

Technical Specification

<i>Power Supply:</i>	<i>100..240 Volts AC, 50..60 Hz, Rated at 1A</i>
<i>Typical consumption:</i>	<i>with battery installed and Ringdale Strikes: 100mA at 110V, 48mA at 240V</i>
<i>Lock Outputs/Types:</i>	<i>12 Volt DC Pulse, Fail Open, Fail Locked, Dead-Bolt</i>
<i>Number of Users:</i>	<i>Up to 15</i>
<i>Access Points:</i>	<i>1 Reader</i>
<i>Reader Types:</i>	<i>Biometric Fingerprint</i>
<i>Programming:</i>	<i>2 Line LCD display with backlight and 16-key keypad</i>
<i>Product No:</i>	<i>00-16-0463-0000</i>

GateKeeper Biometric Door Entry Controller

Self-Contained Biometric Access Controller (for combi reader)

The Ringdale GateKeeper Biometric Access Controller is suitable for use in almost any home and provides security and access for up to two doors without the need to use a conventional key (for example, front and back doors of the house, or front and garage access to the house). Entry is gained using the latest biometric fingerprint recognition technology.

The Domestic Access controller can manage two locks (either door strikes or bolts) with two fingerprint readers situated outside the secure area to provide entry. An extra fingerprint reader is located on the controller for convenient enrollment.

This device does not require any additional hardware or PCs to operate, the built in keyboard and two-line LCD allow convenient menu-driven programming and language selection. An Uninterruptible Power Supply (UPS) comes as a separate item and can provide a battery back-up that can be hidden away while the controller unit is kept in an accessible area for adding or deleting users.

The keypad has a Personal Identification Number (PIN) system to protect the access controller from tampering. The cable between the UPS and the access controller can have a maximum length of 164 feet (50 meters). The cables between the access controller and the fingerprint readers can have a maximum length of 131 feet (40 meters).

All voltages and signals are below 15 volts.



Key Features

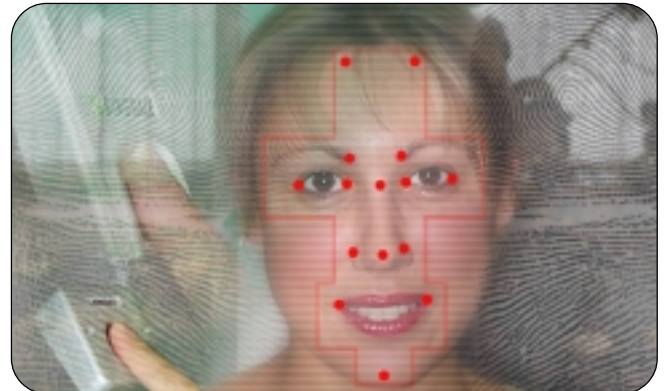
- Two Access Points - ideal for residential use
- Stand-alone use - computer room, etc
- Convenient - extra biometric reader included in enrollment station
- Self Contained - has built-in two-line LCD and keypad for programming
- Secure - reader and controller are separate
- Low power consumption - very long battery backup
- Up to 15 users and multi language support
- Audit trail - Quick Delete - PIN Protected

Technical Specification

<i>Power Supply:</i>	<i>100..240 Volts AC, 50..60 Hz, Rated at 1A</i>
<i>Typical consumption:</i>	<i>with battery installed and Ringdale Strikes: 100mA at 110V, 48mA at 240V</i>
<i>Lock Outputs/Types:</i>	<i>12 Volt DC Pulse, Fail Open, Fail Locked, Dead-Bolt</i>
<i>Number of Users:</i>	<i>15</i>
<i>Access Points:</i>	<i>2 Readers</i>
<i>Reader Types:</i>	<i>Biometric fingerprint</i>
<i>Programming:</i>	<i>2 Line LCD display with backlight and 16-key keypad</i>
<i>Product No:</i>	<i>00-16-0464-0000</i>

FaceKey Biometric Access Control System

High level security facial and fingerprint recognition--includes camera and fingerprint reader



Ringdale's FaceKey Biometric Access Control System uses the latest technological advances in an affordable package to provide the highest level of security. The system incorporates a fingerprint reader, camera for face recognition and a Network Access Controller. It is suitable for driving two bolts or two door strike mechanisms.

FaceKey identifies an individual based upon the unique elements of each person's fingerprint and facial characteristics, eliminating the need for cards, keys, passwords or PINs. By combining the two methods of verification, this system provides true security that is almost impossible to bypass.

Registered users initially enroll into the central management system, these patterns are then scanned and recognized as the user approaches the camera and fingerprint reader, allowing access.

The door controller is packaged in a tamperproof steel enclosure and traditional non-biometric systems can also be connected if required, as can a traditional Uninterruptible Power Supply (UPS). There is also a battery back-up option available that will power the bolts or door strikes in the event of a power failure (but not the controller itself).

Key Features

- Accommodates door controller - drives two bolts or two door strike mechanisms
- Obtain the highest levels of security by combining multiple biometric devices
- Comes complete with camera and fingerprint recognition devices and relevant software
- Steel tamperproof enclosure
- Connects directly to a local area network
- Analyze audit trail
- UPS compatible + Battery back-up option available to operate locks during power failure

Technical Specification

<i>LAN Attachment:</i>	<i>RJ45 for 10baseT</i>
<i>Suitable Readers:</i>	<i>Fingerprint Reader</i>
<i>Card Connections:</i>	<i>Terminal blocks for power, lock outputs and sensors</i>
	<i>RJ45 connection for Optional Touch Screen</i>
<i>Dimensions:</i>	<i>442 (W) x 533 (H) x 180 (D) mm</i>
<i>Mains:</i>	<i>230V AC (110V version available)</i>
<i>Frequency:</i>	<i>50 - 60Hz</i>
<i>Product No:</i>	<i>00-16-0441-4450 (230V version)</i>
	<i>00-16-0441-0150 (110V version)</i>

FaceKey Proximity Access Control System

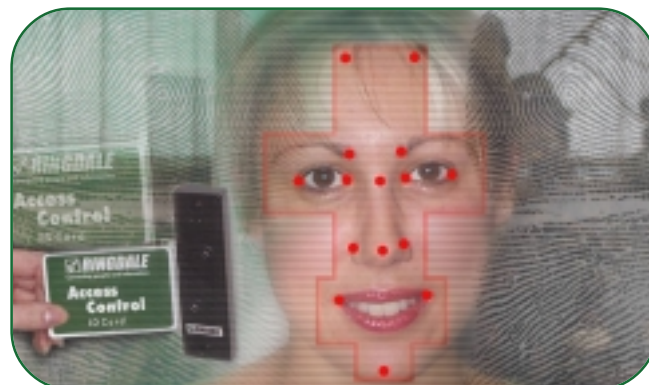
High level security facial and ID card recognition--includes camera and proximity card reader

Ringdale's FaceKey Biometric Access Control System uses the latest technological advances in an affordable package to provide the highest level of security. This system incorporates a proximity ID card reader, camera for face recognition and a Network Access Controller. It is suitable for driving two bolts or two door strike mechanisms.

FaceKey identifies an individual based upon their unique facial characteristics. This is backed up by an ID card reader. By combining the two methods of verification, this system provides true security that is almost impossible to bypass.

Registered users initially enroll into the central management system, these patterns are then scanned and recognized as the user approaches the camera and presents their card to the ID reader, allowing access.

The door controller is packaged in a tamperproof steel enclosure and can be connected to a traditional Uninterruptible Power Supply (UPS). There is also a battery back-up option available that will power the bolts or door strikes in the event of a power failure (but not the controller itself).



Key Features

- Obtain the highest levels of security by combining multiple access devices
- Comes complete with camera, ID card reader and relevant software
- Steel tamperproof enclosure
- Connects directly to a local area network
- Analyze audit trail
- Accommodates door controller - drives two bolts or two door strike mechanisms
- UPS compatible + Battery back-up option available to operate locks during power failure

Technical Specification

<i>LAN Attachment:</i>	<i>RJ45 for 10baseT</i>
<i>Suitable Card Readers:</i>	<i>Smart Card/RF Transponder or Swipe Card</i>
<i>Connections:</i>	<i>Terminal blocks for power, lock outputs and sensors RJ45 connection for Optional Touch Screen</i>
<i>Dimensions:</i>	<i>442 (W) x 533 (H) x 180 (D) mm</i>
<i>Mains:</i>	<i>230V AC (110V version available)</i>
<i>Frequency:</i>	<i>50 - 60Hz</i>
<i>Product No:</i>	<i>00-16-0441-4451 (230V version) 00-16-0441-0151 (110V version)</i>

Demo Kit professionally displays biometric access control products

Ringdale's demonstrator cases display their industry leading biometrics access control and time and attendance products in a robust carry case.

Whether you want to show customers a simple time and attendance terminal or the more complex biometric access control system, now those items are nicely showcased in a robust carry case.

You no longer need to carry several pieces of hardware to customer sites. Keep it all organized in one easy-to-carry, professional looking demo case: readers, ANSI latch locks, controllers, power supplies and batteries.

There are also slots for applicable accessories, such as spare connectors and crimping tools. Carry sufficient cable for over the counter sales and small installations.



Key Features

- Showcase biometrics or time and attendance products
- Robust metal case
- Big enough to carry all materials needed
- Slots for accessories

Technical Specification

<i>Device Type:</i>	<i>As required</i>
<i>Dimensions:</i>	<i>335 x 150 x 455mm</i>
<i>Product No:</i>	<i>00-16-9433-7001</i>

Time & Attendance Terminal with Fingerprint Reader

A fully networked Time and Attendance system using fingerprint identification for enhanced security

Ringdale's Time and Attendance system is based on a network attached fingerprint reader, designed to bring simple and functional recording of staff movement within an organization.

With staff clocking in or out using their finger, only the registered user can actually clock themselves in or out. All events are recorded and sent across the network to a central Windows PC running the supplied Sentinel software, which includes a full management and accounting package. The information can be stored in a Microsoft Access or SQL database, depending on the requirements of the installation.

A touch screen is used to display the name of the staff member and any additional personal information required. Once identified, the user logs in and out by touching the screen.

The system incorporates a 12V UPS/battery charger system for uninterrupted power. The completely self-contained unit holds capacity for a battery up to 22 Amp hours (battery available separately). This UPS is ideal for other 12 Volt devices in addition to Time and Attendance.

The UPS and controller are contained in a secure steel enclosure that can be hidden in the ceiling or fixed to a wall.



Key Features

- Simple registration of users
- Network-based reader with IP address
- Retrieve user data from anywhere on the network using Sentinel software
- Access or SQL database stores all central data
- Includes touch screen
- Impossible for someone to clock-in when they are not actually present
- Includes full Management and Accounting Package

Technical Specification

<i>LAN Connection:</i>	<i>10baseT (10base2 - optional) auto-sensing</i>
<i>Device Type:</i>	<i>fingerprint</i>
<i>Output:</i>	<i>6 way connection with 12v power and relay outputs</i>
<i>Input:</i>	<i>Touch Screen RJ45 connection</i>
<i>Mains:</i>	<i>100-240 VAC</i>
<i>Frequency:</i>	<i>50-60 Hz</i>
<u><i>Colour Touch Screen</i></u>	
<i>Screen size:</i>	<i>Width 158.5mm x Height 111mm</i>
<i>LCD Colour Screen:</i>	<i>Backlit 320 x 240 dpi, with integral touch panel</i>
<i>Product No:</i>	<i>UK: 00-16-1433-2453 US: 00-16-1433-1153 Euro: 00-16-1433-2253-1</i>

A fully networked Time and Attendance system for simple, cost-effective employee management

Ringdale's Time and Attendance system is based on a network attached ID reader, designed to bring simple and functional recording of staff movement within an organization.

The system can use proximity cards, swipe cards or a PIN keypad. All events are recorded and sent across the network to a central Windows PC running the supplied Sentinel software, which includes a full management and accounting package. The information can be stored in a Microsoft Access or SQL database, depending on the requirements of the installation.

and any additional personal information required. Once identified, the user logs in and out by touching the screen.

The system incorporates a 12V UPS/battery charger system for uninterrupted power. The completely self-contained unit holds capacity for a battery up to 22 Amp hours (battery available separately). This UPS is ideal for other 12 Volt devices in addition to Time and Attendance.

The UPS and controller are contained in a secure steel enclosure that can be hidden in the ceiling or fixed to a wall.



Key Features

- Simple registration of users
- Network-based reader with IP address
- Retrieve user data from anywhere on the network using Sentinel software
- Access or SQL database stores all central data
- Includes touch screen
- Includes full Management and Accounting Package
- Touch screen displaying additional information

Technical Specification

<i>LAN Connection:</i>	<i>10baseT (10base2 - optional) auto-sensing</i>
<i>Device Type:</i>	<i>Smart Card/RF Transponder, Swipe Card, PIN Keypad</i>
<i>Output:</i>	<i>6 way connection with 12v power and relay outputs</i>
<i>Input:</i>	<i>Touch Screen RJ45 connection</i>
<i>Mains:</i>	<i>100-240 VAC</i>
<i>Frequency:</i>	<i>50-60 Hz</i>
<i>Colour Touch Screen</i>	
<i>Screen size:</i>	<i>Width 158.5mm x Height 111mm</i>
<i>LCD Colour Screen:</i>	<i>Backlit 320 x 240 dpi, with integral touch panel</i>
<i>Product No:</i>	<i>UK: 00-16-1433-2453 US: 00-16-1433-1153 Euro: 00-16-1433-2253-1</i>

Note: For swipe card and PIN Keypad request the TTL version

Pulse Operated Door Strike EURO

Low power EURO door strike mechanism allows prolonged operation via battery backup, open or locked

Ringdale's Pulse Operated Door Strike provides a most economic use of electrical power. It operates with a pulse of approximately 0.1 seconds to change from a locked to an unlocked position, or vice versa. It does not require permanent power to keep open or locked (in similar mechanisms this operation can take up to 10 watts). Ringdale's Door Strike can be supplied either to Fail Open (Power to Lock) or Fail Locked (Power to Open).

In the event of power failure, Ringdale's door strike can continue operation with a battery or an uninterruptible power supply. Ringdale's optional Network Access Controller, a 12volt power supply with 17Ah battery back-up, can perform this function.

For enhanced performance, Ringdale's Door Strike mechanism may be used with Ringdale's Network ID Readers. The door strike is universally compatible with any other access control device. A selection of faceplates are also available to fit Ringdale's Door Strike. (Faceplates are sold separately.)

Ringdale's ID readers can be controlled from a central software program over a 10/100base Ethernet network. In the event of a fire alarm, this allows the door to automatically open.



Key Features

- Designed to European standards
- Near zero power consumption
- User can specify fail open or fail closed
- Suitable for frame or surface mounting (optional surface mounting plate)
- Compatible with most self-latching type door mechanisms
- 12Volt (other versions available)
- Can be operated with battery or power supply

Technical Specification

<i>Dimensions:</i>	<i>28x90x20mm (without faceplate)</i>
<i>On/Off Pulse:</i>	<i>80..300ms (min..max)</i>
<i>Connector:</i>	<i>Terminal Block</i>
<i>Temperature:</i>	<i>-40...+80 (operating)</i>
<i>Humidity:</i>	<i>0-80% non condensing connection</i>
<i>Product No:</i>	<i>00-16-0437-1250</i>
	<i>(12V pulse only type for Ringdale Access Control System)</i>
	<i>00-16-0437-1251</i>
	<i>(12V type, Standard Fail Locked,</i>
	<i>Power To Open for any Access Control System)</i>
	<i>00-16-0437-1252</i>
	<i>(12V type, Standard Fail Open,</i>
	<i>Power To Lock for any Access Control System)</i>

Pulse Operated Door Strike ANSI

Unique low power ANSI door strike mechanism allows months of standby time from a battery backup, open or locked

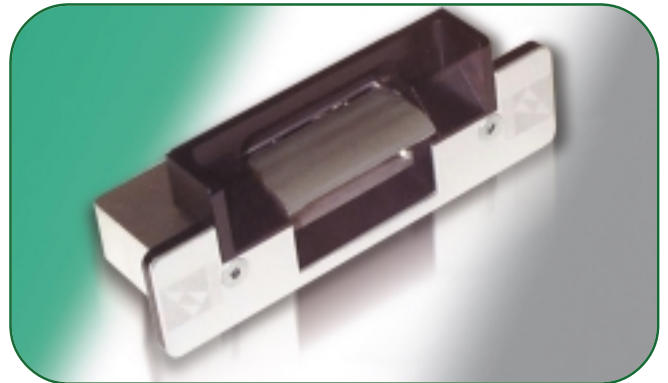
Ringdale's ANSI Pulse Operated Door Strike provides a most economic use of electrical power. It operates with a pulse of approximately 0.1 seconds to change from a locked to an unlocked position, or vice versa. It does not require permanent power to keep open or locked (in similar mechanisms this operation can take up to 10 watts).

The door strike is universally compatible with any other access control device. A selection of faceplates are also available to fit Ringdale's ANSI Door Strike. (Faceplates are sold separately.)

Ringdale's Door Strike can be supplied either to fail open (power to lock) or fail closed (power to open).

In the event of power failure, Ringdale's Door Strike can continue operation with a battery or an uninterruptible power supply, such as Ringdale's optional Network Access Controller, a 12volt power supply with 17Ah battery back-up.

Ringdale's network access controller allows the door strike to be controlled from a central software program over a 10/100base Ethernet network. In the event of a fire alarm, this software can enable all doors to be opened.



Key Features

- Designed to American ANSI standards
- Near zero power consumption
- User can specify fail open or fail closed
- Suitable for use with Ringdale's ANSI faceplate
- Compatible with most ANSI self-latching type door mechanisms
- 12Volt (other versions available)
- Can be operated with battery or power supply

Technical Specification

<i>Dimensions:</i>	<i>28x90x20mm (without Lip-Bracket)</i>
<i>On/Off Pulse:</i>	<i>80..300ms (min..max)</i>
<i>Connector:</i>	<i>Terminal Block</i>
<i>Temperature:</i>	<i>-40...+80 (operating)</i>
<i>Humidity:</i>	<i>0-80% non condensing connection</i>
<i>Product No:</i>	<i>00-16-0437-1150</i>
	<i>(12V pulse only type for Ringdale Access Control System)</i>
	<i>00-16-0437-1151</i>
	<i>(12V type, Standard Fail Locked,</i>
	<i>Power To Open for any Access Control System)</i>
	<i>00-16-0437-1152</i>
	<i>(12V type, Standard Fail Open,</i>
	<i>Power To Lock for any Access Control System)</i>

Pulse Operated Door Strike ANSI - Stainless Steel

Low power ANSI door strike mechanism with stainless steel latch

Ringdale's ANSI Pulse Operated Door Strike with stainless steel latch offers all the features of our other door strikes with the extra benefits of being stronger, lasting longer and looking smarter. It provides an even higher level of security for doors.

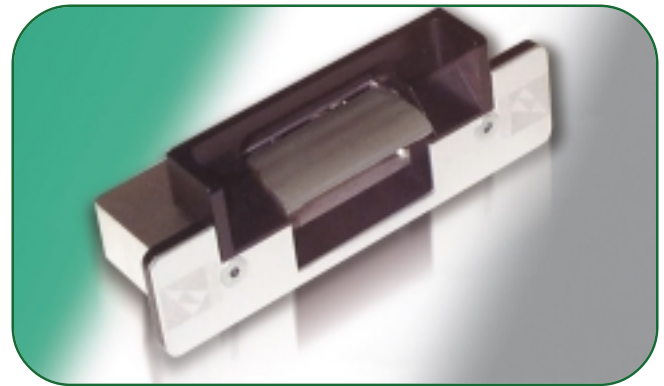
The strike operates with a pulse of approximately 0.1 seconds to change from a locked to an unlocked position, or vice versa. It does not require permanent power to keep open or locked (in similar mechanisms this operation can take up to 10 watts).

The door strike is universally compatible with any other access control device. A selection of faceplates are also available to fit Ringdale's ANSI Door Strike. (Faceplates are sold separately.)

Ringdale's Door Strike can be supplied either to fail open (power to lock) or fail closed (power to open).

In the event of power failure, Ringdale's Door Strike can continue operation with a battery or an uninterruptible power supply, such as Ringdale's optional Network Access Controller, a 12volt power supply with 17Ah battery back-up.

Ringdale's network access controller allows the door strike to be controlled from a central software program over a 10/100base Ethernet network. In the event of a fire alarm, this software can enable all doors to be opened.



Key Features

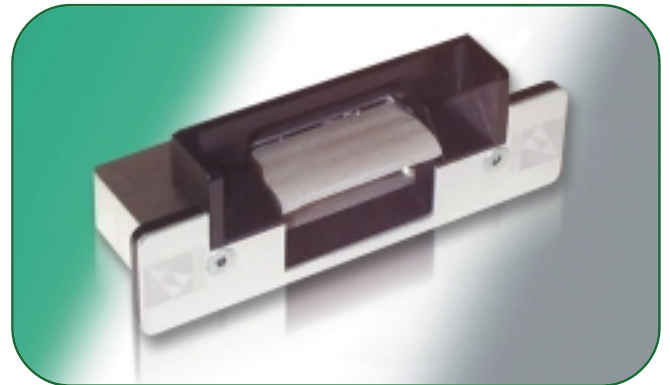
- Stainless steel latch for extra strength and durability
- Near zero power consumption
- User can specify fail open or fail closed
- Suitable for use with Ringdale's ANSI Long or short faceplates
- Compatible with most ANSI self-latching type door mechanisms
- 12Volt (other versions available)
- Can be operated with battery or power supply
- Designed to American ANSI standards

Technical Specification

<i>Dimensions:</i>	<i>28 x 90 x 20 mm (without lip bracket)</i>
<i>Voltage:</i>	<i>12V DC nominal(10,2V DC to 15V DC operational)</i>
<i>Consumption:</i>	<i>typ. 6,5mA @ 12VDC if permanently energized</i>
<i>On/Off Pulse:</i>	<i>80...300ms (min...max)</i>
<i>Connector:</i>	<i>2 way Terminal Block</i>
<i>Mechanical Strength:</i>	<i>min. 810 pounds (3600N)</i>
<i>Temp/Humidity:</i>	<i>0 - 70°C (operating temp.) 0...80% non condensing connection</i>
<i>Product No:</i>	<i>00-16-0437-1154 (12V - Fail Open, PTL, for any system) 00-16-0437-1153 (12V - Fail Locked, PTO, for any system)</i>

Micropower Pulse Operated Door Strike ANSI

Extremely low power ANSI door strike uses less than 1mA during continuous operation



Ringdale's Micropower ANSI Pulse Operated Door Strike can be run effectively and economically with a low power lithium battery. It operates with less than 1mA of power to change from a locked to an unlocked position, or vice versa. It does not require permanent power to keep open or locked (in similar mechanisms this operation can take up to 10 watts).

The door strike is universally compatible with any other access control device. A selection of faceplates are also available to fit Ringdale's ANSI Door Strike. (Faceplates are sold separately.)

Ringdale's door strike can be connected to a network via a network access controller, or can be used as a stand-alone device.

In the event of power failure, Ringdale's Door Strike can continue operation with a battery or an uninterruptible power supply, such as Ringdale's optional Network Access Controller, a 12volt power supply with 17Ah battery back-up.

Ringdale's network access controller allows the door strike to be controlled from a central software program over a 10/100base Ethernet network. In the event of a fire alarm, this software can enable all doors to be opened.

Key Features

- Less than 1mA power consumption during continuous operation
- Suitable for use with Ringdale's ANSI long or short faceplates
- Compatible with most ANSI self-latching type door mechanisms
- 12Volt battery backed-up power supply (other versions available)
- Can be operated with lithium battery or power supply
- Designed to American ANSI standards
- Available as Fail Closed - Power to Open

Technical Specification

<i>Dimensions:</i>	<i>28 x 90 x 20 mm (without Lip-Bracket)</i>
<i>Lock complete:</i>	<i>32 x 124 x 38 mm (with short ANSI)</i>
<i>Voltage:</i>	<i>12V DC nominal (9,6V DC to 13,4V DC operational)</i>
<i>Current Consumption:</i>	<i>Less than 1mA @ 12V DC continuous operation</i>
<i>Mechanical Strength:</i>	<i>min. 810 pounds (3600N)</i>
<i>Temperature and Humidity:</i>	<i>0 - 70°C (operating temp.) 0...80% non condensing connection</i>
<i>Product No:</i>	<i>00-16-0447-0000 (12V - Fail Locked, PTO, for any system)</i>

Pulse Operated Security Bolt

A compact, rugged pulse operated security bolt enhances door security

Ringdale's Pulse Operated Bolt's compact size permits fitting to the doorframe, an easier solution than door mountable bolts. Its solid, durable design ensures reliable, long lasting service, tested to withstand over 100,000 operations, the equivalent of a lifetime of use.

The bolt operates on a pulse and does not require permanent power to keep the door open or locked, allowing battery backup to last longer than with conventional devices. The bolt can be driven by a battery or a mains power supply, such as Ringdale's optional access controller, a 12volt battery backed-up power supply. When locked, the bolt has a throw of 15mm deep, sufficient to prevent the most determined forced entry attempt.

Sensors integrated into the bolt detect its position, making certain the door only locks when shut, ensuring it's closed securely, avoiding damage to the lock or doorframe.

The bolt is compatible with either Ringdale's Network ID Readers, or Ringdale's stand-alone access control system, suitable for non-networked or domestic security applications.

Where both latch and bolt security are required, Ringdale's electric bolt can be combined with Ringdale's Pulse Operated Door Strike, which operates with a electrical pulse of just 0.1 second (100 milliseconds).



Key Features

- Smallest electric bolt available
- Simple to install
- Fits into any standard door or doorframe
- 12volt battery backed-up power supply (other voltages available)
- Low power consumption
- Operates with battery or power supply
- Intelligent lock: integrated door-closed detector and bolt open/locked sensors
- Faceplates included
- Combine with Ringdale's Bolt Lock Controller Adapter for use with other systems

Technical Specification

<i>Dimensions:</i>	<i>22x49x100mm (without face plate)</i>
<i>On/Off Pulse:</i>	<i>approx 1 second</i>
<i>Latchbolt throw:</i>	<i>15mm</i>
<i>Connector:</i>	<i>6way MTA header</i>
<i>Power Consumption:</i>	<i>Max. 2 Watt</i>
<i>Voltage:</i>	<i>12V DC (others available)</i>
<i>Product No:</i>	<i>00-16-0419-1250</i> <i>(for Ringdale Access System)</i>

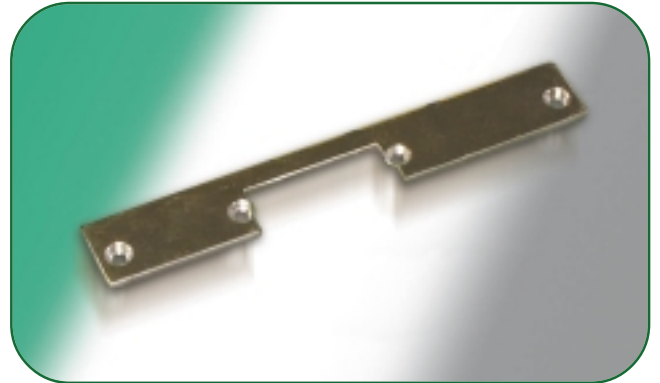
ACCESS CONTROL

Door Strike Faceplates EURO

Faceplates designed for Ringdale's Pulsed Door Strike Mechanism

Strong door strike faceplates combine with Ringdale's EURO Pulsed Door Strike Mechanism. Allows fitting to the inside of a doorframe.

EURO Nickel Plated



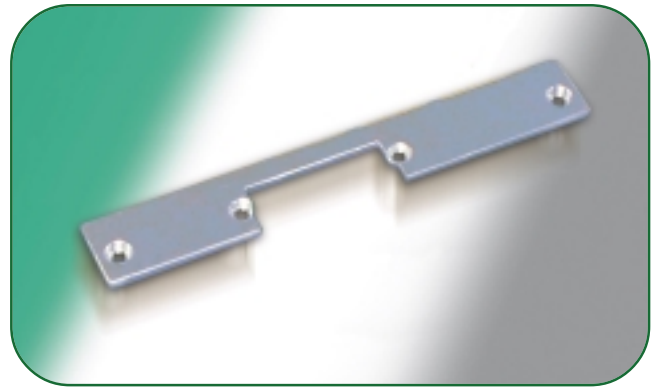
Product No: 59-20070311

EURO Aluminum Black



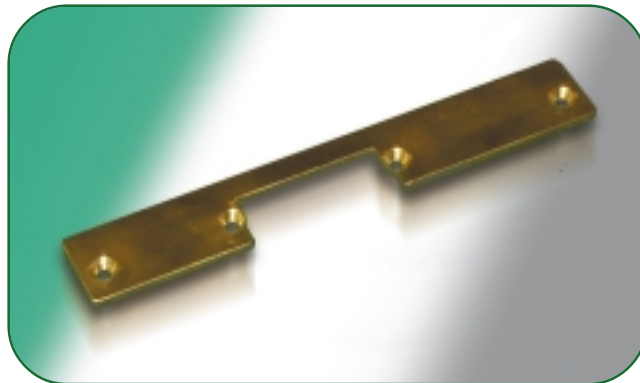
Product No: 59-20070211

EURO Aluminum Natural



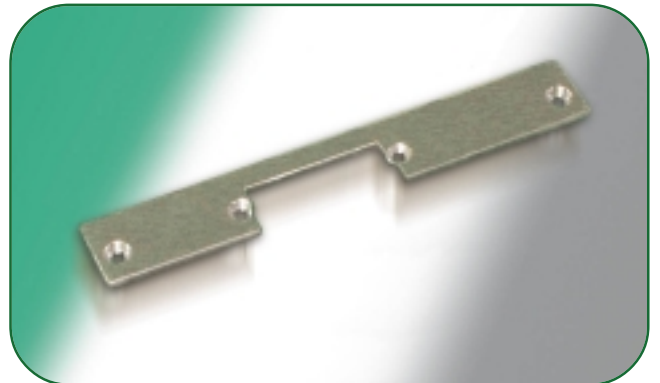
Product No: 59-20070011

EURO Brass



Product No: 59-20070111

EURO Stainless Steel



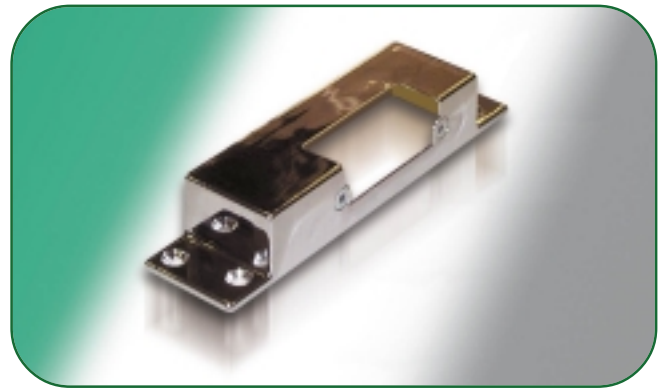
Product No: 59-20070411

Door Strike Faceplates EURO/ANSI

Surface mounted casing for use with Ringdale's EURO Pulsed Door Strike Mechanism

Strong, heavyweight, chrome plated external door strike casing combines with Ringdale's EURO Pulsed Door Strike Mechanism. Allows external fitting to a doorframe.

EURO Surface Mount Plate



Product No: 56-14220000

ANSI Short/ANSI Long



Product No: ANSI Short - 93-09130010
ANSI Long - 93-09150010

Designed for Ringdale's ANSI Pulsed Door Strike Mechanism

A strong, lightweight, black lip-bracket with natural anodized faceplate combines with Ringdale's ANSI Pulsed Door Strike Mechanism. Designed to ANSI standards including an extension lip to protect the inside edge of the doorframe. Available in ANSI Long or ANSI Short versions.

	Nickel	Aluminium	Steel	Brass	Surface Mount	ANSI Short	ANSI Long
<u>Key Features</u>							
European Standard	✓	✓	✓	✓	✓		
ANSI Standard						✓	✓
Laser Cut	✓		✓	✓			
Black/Natural		✓					
Lightweight		✓				✓	✓
Heavyweight	✓		✓	✓	✓		
<u>Technical Spec</u>							
Dimensions (mm)	160x25x3	160x25x3	160x25x3	160x25x3	145x35x25	124x35x32	175x35x32
Finish	Nickel plated	Natural or Black anodised	Stainless-Steel	Brass	Chrome Plated	Black & natural anodised	

Access Control management and configuration software for Ringdale security systems

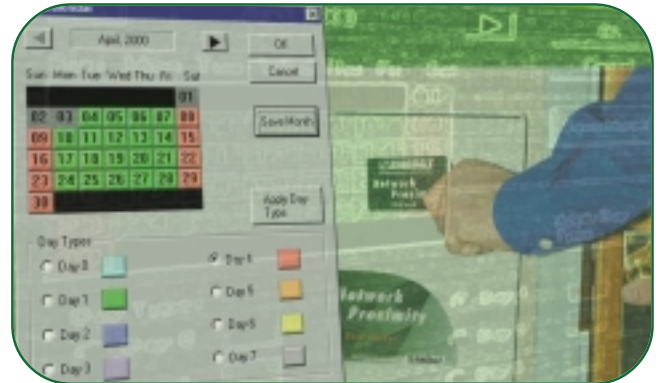
Ringdale's Sentinel software is used to configure and manage Ringdale Access Controllers and Time and Attendance systems.

The software allows comprehensive access and security settings to be configured for each user, and the creation of log and database files to produce a record of users for each ID reader. The usage patterns of multiple readers can be simultaneously monitored and logged by Sentinel over the network.

Sentinel can identify ID readers installed on the same network or additional networks or subnets via their IP addresses, and provides a detailed display of its status and configuration.

Users ID cards can be set up with varying levels of security (16 levels in total) to allow or restrict access to network readers installed in certain areas. Sentinel allows user ID configurations to be set-up and subsequently altered quickly and easily. Users can also be restricted from entering the building at certain times of the day, or on certain days of the week, such as weekends.

Retrieval of user information can be performed remotely over the Intranet and timed to automatically perform the operation at set intervals. The Sentinel software is included with all of Ringdale's Network Access Controller systems.



Key Features

- Simple installation and operation
- Allows user ID to be configured and altered from one central PC
- Monitor and log individual users' movement patterns in a central database
- Retrieve user data locally or remotely over the Intranet or Internet
- Analyze the status and configuration of individual ID readers on the network

Technical Specification

<i>Requires:</i>	<i>Windows 32Bit Networked PC with CD Drive</i>
<i>Protocols:</i>	<i>A Microsoft TCP/IP Protocol Stack</i>
<i>Platforms:</i>	<i>Windows 2000/XP and Windows NT 3.51/4.0</i>
<i>Product No:</i>	<i>00-13-3131-0044</i>

Self-Enrollment Station

Keeps track of In and Out times

Electronic Visitors Book

Touch Screen Compatibility

Fingerprint and Face Biometrics

Ringdale's Uniport uses the latest in fingerprint and face recognition technology to provide a fast and effective way to enroll staff and visitors. The adaptable system can be used as an electronic visitors book, using biometrics instead of the normal pen and ink to register guests, log their arrival and departure, as well as providing a highly secure time and attendance system for staff.

UniPort is an easy-to-use, intuitive software application for Windows PCs, and is supplied with a USB camera, fingerprint reader and the option of a 15 inch touch panel display. It is currently the biometric industry's fastest enrollment station.

Applications where such technology will significantly enhance security and make the process more efficient are:

- Reception Areas Commercial and Military
- Staff Entrances
- Health Clubs and Fitness Centers
- HR Offices
- Hospital Reception
- Law Enforcement
- Security Posts

The system can operate on a stand-alone PC, or over a network (for example, when connecting to a remote Access/SQL database).



Key Features

- Simple installation and operation
- Simple enrollment using fingerprint and face recognition technology
- Effective time and attendance system
- Can be networked or stand-alone as required
- Can be integrated with Ringdale's FaceKey system to provide a comprehensive access control package

Technical Specification

<i>Requires:</i>	<i>Windows 32Bit PC with minimum of two USB ports</i>
<i>Protocols:</i>	<i>TCP/IP</i>
<i>Platforms:</i>	<i>Windows NT4/2000/XP</i>
<i>Databases:</i>	<i>SQL or Microsoft Access</i>

ACCESS CONTROL

The network capability also allows UniPort to be integrated with Ringdale's FaceKey Access Control System, so each enrolled user could be given a security profile.

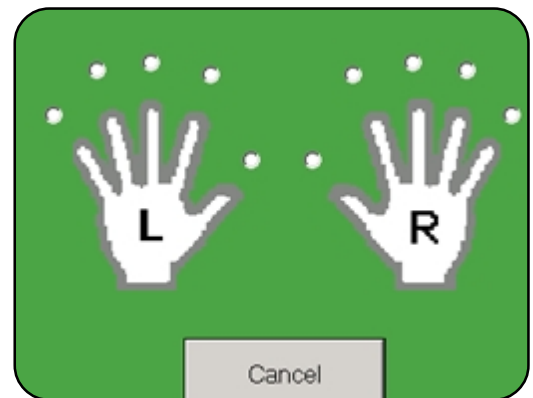
An example scenario:

In an office building, the face and fingerprint are registered by the visitor (perhaps with assistance from the receptionist) using the optional touch screen and the attached reader and camera. The information is held centrally so if the visitor appeared at the wrong floor or room, and tried to gain access, immediate notification could appear on the security

office's screen that the visitor was registered for a different destination, together with the photograph of the individual concerned so a visual identification could be made.

With its ease of use and speed of enrollment, UniPort offers a powerful tool to enhance the security and efficiency of a huge range of organizations, and provides a cost effective solution to the problems encountered in modern working environments.

Optional Touchscreen Capability



Fingerprint Self-Enrollment

Face Recognition



System for immediately verifying an individual's identity using fingerprint biometric technology and human face verification

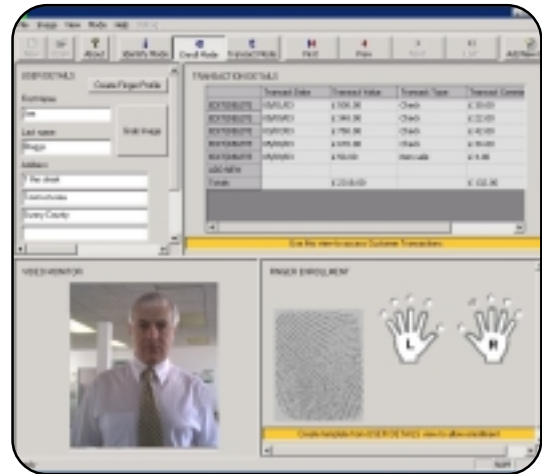
Quick-ID provides the solution to the ever increasing need to establish an individual's identity immediately, as well as to display their visual and detailed data on a terminal or screen.

Applications where such technology will significantly enhance security and make the process more efficient are:

Security Posts, Airport Gate and Counter, Check Cashing Outlets, Guarded Reception Areas, HR Offices, Hospital Reception, Mobile Law Enforcement and Banks.

In an airport, a flyer's face and fingerprint can be registered on the check-in counter, where the data of the person's passport is entered. The information can be held centrally, so that if the customer arrived at the wrong gate, immediate notification will show on the gate's screen that the customer was registered for a different flight. At the same time, the person's face and details will appear on the screen, removing the need to use a passport as visual verification and providing an up-to-date image.

In a check cashing outlet the shop owner's most effective protection against fraud is to only accept and cash checks from persons known to the shop owner. This often causes a problem on weekends or during holiday times as the person knowing the clients has the dilemma that his visual knowledge is not easily transferred to another person. The Quick-ID system from



Key Features

- Simple installation and operation
- Simple enrollment
- Establish an identity instantly using fingerprint biometrics
- Verify identity by matching the face to the image displayed on the screen
- Can be networked/non-networked as required
- Transaction history display

Technical Specification

<i>Requires:</i>	<i>Windows 32Bit PC with minimum of two USBports</i>
<i>Protocols:</i>	<i>A Microsoft TCP/IP Protocol Stack</i>
<i>Platforms:</i>	<i>Windows NT4/2000/XP</i>

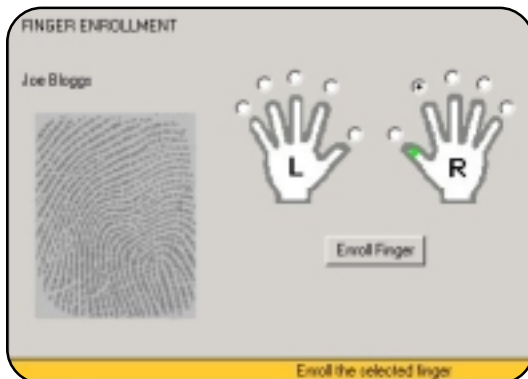
ACCESS CONTROL

Ringdale allows the registration of face and fingerprint as well as keeping track of checks that have been cashed in the past, a maximum credit line and a black list of issuers of checks that the shop does no longer want to cash.

Once the customer is enrolled - a 30 second process - any trustworthy person can now share the visual information of the customer's picture and verify that the customer is the person that they say they are in less than 2 seconds, whilst getting all pertinent information on the screen so as to be ready to process the check.

In a bank, a signature is often still the only way to identify a person, exposing the bank to the possibility of fraud. Elaborate systems have been developed by banks, which could be streamlined using Quick-ID, increasing throughput on the counter and increasing customer satisfaction, whilst eliminating the risk of fraud.

Ringdale produces a software called Quick-ID. It comes with an enrollment camera and an enrollment fingerprint reader for the enrollment station and a fingerprint reader for the Verification station. Quick-ID is currently the industry's fastest way to enroll and identify a person's data and visual appearance.



TRANSACTION DETAILS					
	Transact Date	Transact Value	Transact Type	Transact Comm.	Transact St...
EDIT/DELETE	05/01/03	£ 500.00	Check	£ 30.00	Cleared
EDIT/DELETE	05/04/03	£ 348.00	Check	£ 22.00	Cleared
EDIT/DELETE	03/07/03	£ 750.00	Check	£ 42.00	Cleared
EDIT/DELETE	05/09/03	£ 670.00	Check	£ 34.00	Pending
EDIT/DELETE	05/09/03	£ 90.00	Item sale	£ 4.00	Bicycle
ADD NEW					
Totals		£ 2318.00		£ 132.00	

Use this view to access Customer Transactions

Airport-ID

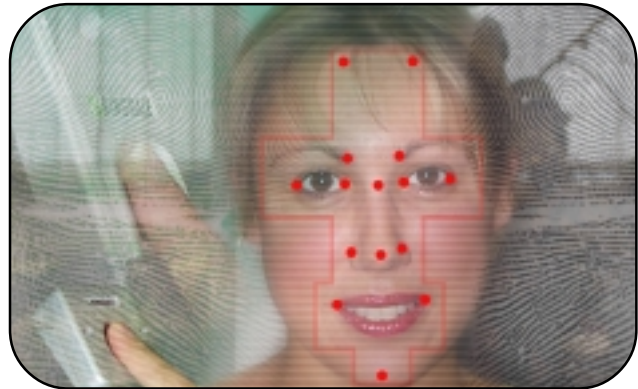
Identification Solution using Face and Fingerprint Recognition to Enhance Security in Airport Environments

Ringdale's Airport-ID is a system designed to meet the ever-growing necessity for strict identification and security at modern airports, providing an effective method to register passengers and monitor their step-by-step progress through the airport and onto the flight.

Ringdale's recognition technology identifies an individual based upon the unique elements of each person's fingerprint and facial characteristics, using cameras and readers connecting to a central database through a local area network.

As a passenger checks in, they are enrolled on the system (a procedure that takes one to two minutes) and can then be identified as they pass through the security gate (optional), and again as they reach the boarding point for the flight. The camera will identify the passenger as they approach, displaying their details to the airline and security staff to ensure that the individual that checked in is the one boarding the flight. As further security, they can provide their fingerprint to provide a thorough identity check.

As the passenger passes through each stage, their progress is logged by the central server, so at any time it can be quickly established in which area of the airport they are located, and the passenger cannot pass through the same area twice. At all points in the process the system prevents someone else representing themselves as the passenger who checked in.



Key Features

- Face Recognition as Individual Approaches Camera
- Fingerprint Registration
- Provides High Level of Security that is Almost Impossible to By-Pass
- Supplied with Easy-to-Use Software
- Connects directly to a local area network with a Central Database
- Quick and Effective Operation

Technical Specification

Requires: Windows 32Bit PC with minimum of two
USB ports (three recommended)
Protocols: A Microsoft TCP/IP Protocol Stack
Platforms: Windows NT4/2000/XP

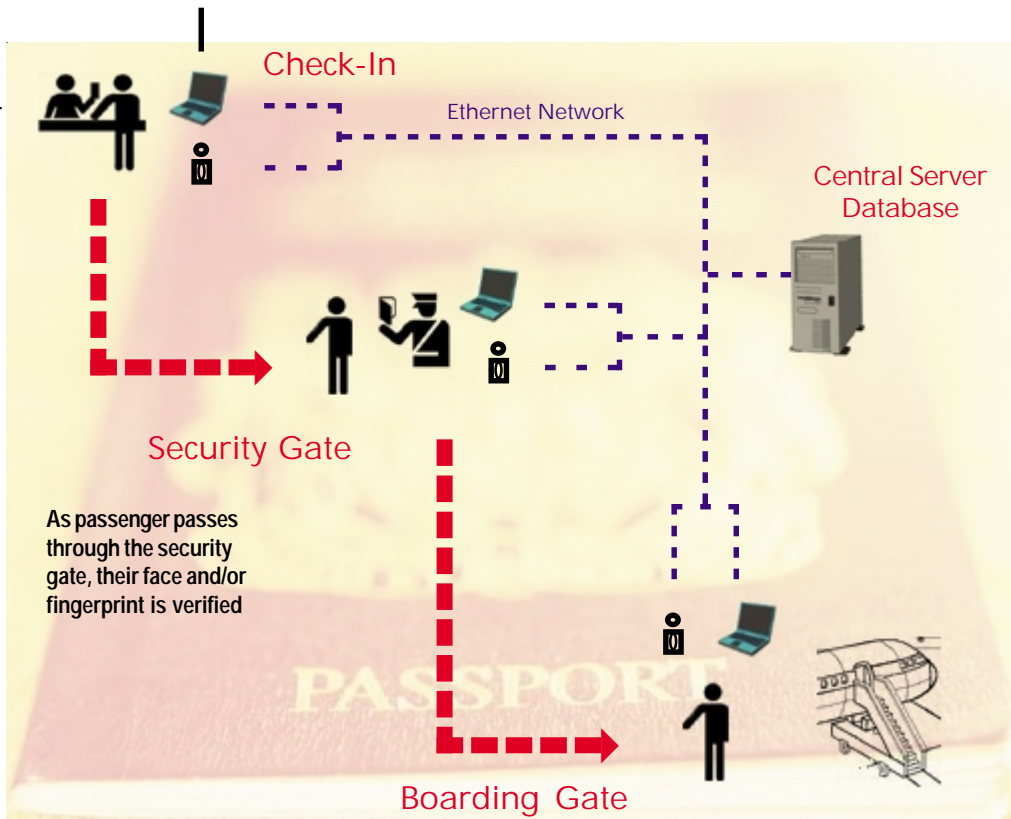
How it Works

Ringdale's Airport-ID uses a sophisticated yet easy to use software package that links all the data across the network to a central database.



At each point there is a PC or laptop running the Airport_ID software, with a camera and/or fingerprint reader attached

As passenger checks in, their face and/or fingerprint are registered



As passenger passes through the security gate, their face and/or fingerprint is verified

As passenger passes through the boarding gate, their face and/or fingerprint is again verified

Once the passenger has checked in, it is impossible for someone else to assume the identity of that passenger, or for the passenger to wander more than once through each area.

Desktop Reader and Controller

Central enrollment point, allowing new users to be assigned from the administrator's desk

Ringdale's Desktop ID Reader and controller provides a way to enhance the functionality of our Access Control systems, providing a central and convenient point to enroll new users directly from the system administrator's desk, avoiding the need to travel to the access point. A typical location for installation would be the HR office.

The reader would be used at the desk that is running the Sentinel software (which manages the Access Control system) and is suitable for both door access and Time and Attendance versions.

The controller comes in a small box that fits easily under or behind the desk, so only the reader itself needs to be on the desk. Proximity card, swipe card and fingerprint reader versions are all available.

The controller has its own IP address and can be set up to send the information through directly to the PC running the Sentinel enrollment software, and using an alternative port. This allows enrollment to take place at any time without having to stop the Sentinel service for the duration of the enrollment. Access through the door, or to clock in, will never need to be interrupted.



Key Features

- Ideal for the HR office
- Suitable for both Door Access and Time & Attendance systems
- Small and unobtrusive
- Compatible with Ringdale's Sentinel access management software
- Sentinel service need never be interrupted
- Fingerprint, swipe card and proximity card versions available

Technical Specification

<i>LAN Connection:</i>	<i>RJ45 for 10baseT or 10base2 (auto-sensing)</i>
<i>Device Type:</i>	<i>Smart Card/RF Transponder Swipe card</i>
<i>Connections:</i>	<i>2 way Jack for 12V DC input</i>
<i>Mains:</i>	<i>100-240 VAC to 12V DC external power supply</i>
<i>Frequency:</i>	<i>50-60 Hz</i>
<i>Product No:</i>	<i>00-16-0386-1000 (Fingerprint Version): 00-16-0443-1000</i>

12V UPS for Access Controller and Locks

UPS with capacity for 12 Volt battery of up to 22 Amp hours

Ideally used as an extra uninterruptible power supply for 12 Volt devices such as magnetic door locks, conventional door strikes, access controllers, fingerprint readers, time and attendance systems, etc.

The device is a self-contained unit that can be hidden in a ceiling or fixed to a wall, containing enough capacity for a battery up to 22 Amp hours.

The UPS has outputs for battery low or mains failure and a tamper switch. (Battery not included - three sizes of battery are available separately.)



Key Features

- Capacity for battery up to 22 Amp hours
- Self-contained unit incorporates battery charger
- Can be hidden in ceiling or fixed to a wall
- Ideal for 12 Volt devices such as magnetic door locks, conventional door strikes, access controllers, fingerprint readers, time and attendance systems, etc. (Battery available separately)

Technical Specification

<i>Device Type:</i>	<i>Smart Card/RF Transponder</i>
<i>Connection:</i>	<i>RJ11 (6 way)</i>
<i>Dimensions:</i>	<i>280 x 200 x 40mm</i>
<i>Product No:</i>	<i>00-16-0444-4419 (230V version)</i> <i>00-16-0444-0118 (110V version)</i>

12 Volt Lead Acid Rechargeable Battery

*For use with Ringdale's Solo or
Duplo Network Access Controllers*

Valve regulated rechargeable battery, providing back up power for 7, 12 or 17 Amp hours, respectively.

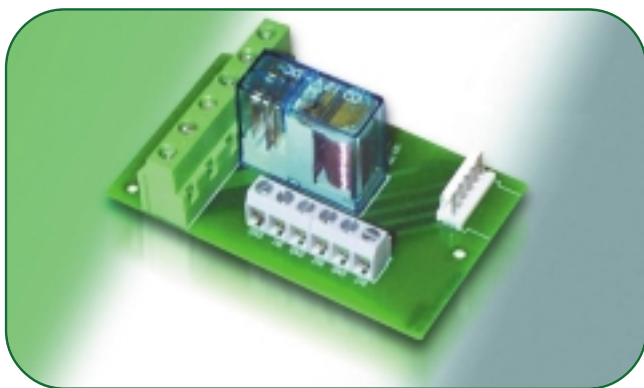
Lead-acid batteries differ from standard wet lead-acid batteries in that they require no topping up with de-ionized water. Designed for standby use in mains power supply systems, the battery is constantly trickle-charged by the access controllers transformers until power is needed.



Product No: 88-00000171 (12V/7 Ah version)

Product No: 88-00000170 (12V/12 Ah version)

Product No: 88-00000157 (12V/17 Ah version)



Relay Rating: 250V @ 5A
Inputs: Sensor Inputs x 3
Product No: 00-16-0435-0050

Access Controller Relay Board

*Allows up to three additional
sensors to be added, including
magnetic door locks*

Link to an alarm, horn, siren or light, for example, which can be triggered by a remote entry switch, 'break glass' or magnetic door lock using voltage free changeover contacts.

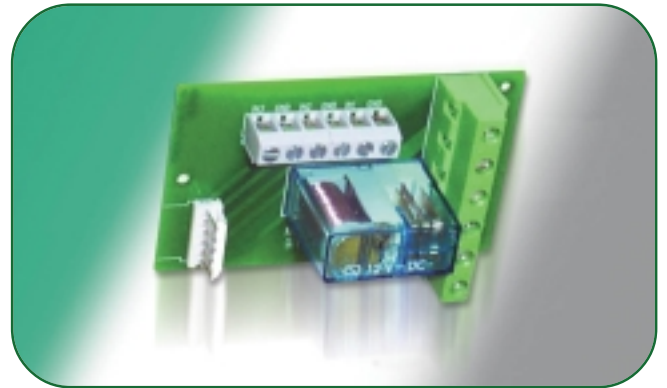
Bolt Lock Controller Adapter

Connect Ringdale's Pulse Operated Security Bolt to any make of access controller

Users can increase the security of a doorway, by installing Ringdale's Pulse Operated Security Bolt into their existing system. Can be used with any make of access controller that may normally only operate 12V strikes or magnetic locks.

The adapter includes a 'door closed' feedback output to alert users if a secure door has been left open.

For more information on Ringdale's Pulse Operated Security Bolt, see section earlier in catalogue.



Key Features

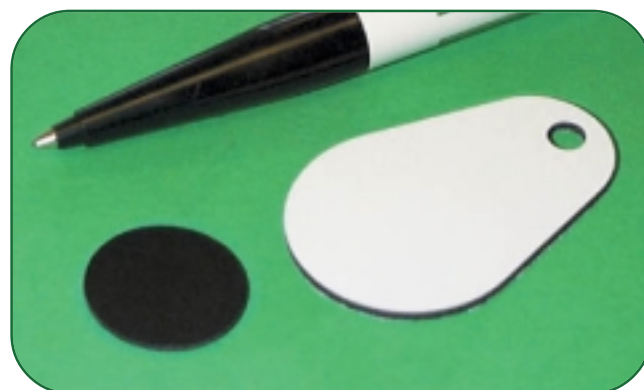
- Connect Ringdale's Pulse Operated Security Bolt to existing door entry systems
- Compatible with any make of access controller system
- Very low power (less than 0.25 watts)
- Suitable for solar powered and battery back-up applications
- Includes a 'door closed' feedback output feature

Technical Specification

<i>Supply Voltage:</i>	<i>12V DC nominal (10V to 14V) from access controller</i>
<i>Connections:</i>	<i>Terminal blocks for 12V DC input, unlock door signal input, door closed output. 6way MTA header for bolt lock connection</i>
<i>Product No:</i>	<i>00-16-0450-0000</i>

Proximity ID Cards, Key Fobs and Discs

All cards, fobs and discs are suitable for use with Ringdale's range of networked or stand-alone card readers and controllers, and operate in the same way. The proximity disc however, may also be embedded into other items for discreet and convenient use.



Product No: 88-14170001 (Key Fob - White)

Product No: 88-14170003 (Key Fob - Black)

Product No: 88-14170002 (Proximity Disc)

Proximity ID Card



Product No: 88-00000168

Magnetic Proximity ID Card



Product No: 88-14170000

	Proximity ID Card	Magnetic ID Card	Proximity Disc	Proximity Key Fob
<u>Key Features</u>				
Laminated PVC	✓	✓		
Reinforced epoxy			✓	✓
Dirt/Dust/Water Resistant			✓	✓
Dust/Water Resistant	✓	✓		
Dual Purpose		✓		
<u>Technical Spec</u>				
Dimensions (mm)	54x85x0.88	54x85x0.88	∅20x1	30x45x1.5
Color	Ringdale Green	White	Black	Black or White

Proximity Card Printer

Fast, full-color, high quality printing of proximity ID cards

The ID card printer is ideal for applications requiring production of full color plastic cards. Printing single-sided, personalized plastic cards has never been simpler, faster or easier. Print onto Ringdale's access control proximity ID cards, as well as loyalty and membership cards or employee and visitor badges.

Issue personal ID cards on the spot with the P310's ability to print sharp, readable bar codes, ID photos, graphics and text, edge-to-edge in seconds. Its space saving, small footprint design is the perfect choice for desktop and countertop applications.

A truly user-friendly solution, the card printer has an easy to load, low maintenance design, making it simple for anyone to operate. Green, yellow and red LED indicators provide easy to understand printer status. Printer ribbon synchronization is automatic, eliminating the need for operator intervention. An ultra quiet, self-cleaning cartridge thoroughly removes dust before printing, minimizing missing dots and color registration problems.



Key Features

- Issue personal ID cards on the spot
- Full color, single-sided printing
- Prints readable bar codes, ID photos, graphics and text
- Edge-to-edge card coverage
- User-friendly design, simple to operate
- 144 cards per hour print rate

Technical Specification

<i>Print Quality:</i>	<i>300 dpi (11.8 dots/mm) print resolution</i>
<i>Print Speed:</i>	<i>144 cards per hour throughput</i>
<i>Print Method:</i>	<i>Colour dye sublimation or monochrome thermal transfer Edge to edge printing</i>
<i>Dimensions:</i>	<i>220 x 315 x 198mm</i>
<i>Voltage:</i>	<i>110 - 230 volts AC, 60 - 50Hz</i>
<i>Product No:</i>	<i>00-12311100</i>

A proximity ID card reader for securing access to PC systems

Ringdale's PCsafe Access Reader is based on a proximity card reader that connects directly to the Com port on your PC. The system restricts access to the PC once the screensaver wait time has expired, defineable by the user. To regain access to the PC, an authorized user must hold up their proximity card to a small, unobtrusive reader, which can be mounted within easy reach of the keyboard or screen area. This solution eliminates problems with forgetting, changing or others guessing your security passwords.

Software included with the PCsafe Access Reader is easy to install and configure. The software's design virtually eliminates any possibilities of bypassing the access reader to gain unauthorized access.

Two versions of PCsafe are available, one for PS2 connection between the PC and the keyboard and another for XT/AT connections.

It is possible to use the PCsafe Access Reader with other devices that incorporate a 9-way "D" type connector, such as cash registers in shops, restaurants and vending machines.



Key Features

- Uses proximity ID cards to activate the reader
- Simple installation and operation
- Restrict access to PCs from non-card holders and unauthorized use
- Uses a screensaver style program to disable use of the PC
- Simply plugs into the Com port of any PC

Technical Specification

<i>Device Type:</i>	<i>Smart Card/RF Transponder</i>
<i>Communication:</i>	<i>Bi-directional RS232 connector</i>
<i>Dimensions:</i>	<i>80 x 54 x 24mm</i>
<i>Product No.:</i>	<i>00-16-0415-0050</i>

Secure Roaming Print Solution Using Fingerprint, PIN Keypad and ID Card Technology to Control Access to Copier, Fax* and Print Jobs*

FollowMe Printing is Ringdale's dynamic solution for the printing of confidential documents to multi-user printers and the general need for network printing control and security. FollowMe hardware supports over 99% of printers in the world that have a parallel port.

FollowMe Printing allows a print job to be sent from any Windows, UNIX, Linux client PC (or across the web) to a secure designated server (any network PC running *Windows NT4/2000/XP* can be used for the server) which will hold the print job until the user arrives at the printer of their choice. The user can then identify themselves by means of an ID card, PIN number or fingerprint which will then allow the print job to be printed, ensuring confidentiality for sensitive documents.

FollowMe Printing comes with a database feature to allow a comprehensive monitoring and accounting record to be set up using Microsoft Access or a network based SQL server. Monitor all printer and copier usage on a per user, cost centre and printer basis, control the printing output of each employee.

FollowMe Web-Printing provides the ability to print from any PC with an Internet connection to a central web-server, where it will be stored until it is printed at a time and printer of the user's choosing.

Choose from three levels of software, Standard is supplied free, or upgrade to Professional or Enterprise versions.

* If supported by MFP



Key Features

- Simple to use and install with intuitive user interface
- Compatible with all MFP/MFD devices and network printers
- All hardware and software included
- Includes own network connection
- Complete management and accounting package
- Produces significant cost savings

Technical Specification

Server Requires: Windows NT4/2000/XP PC

Recognition Technique: Smart Card/RF Transponder (Proximity/Swipe Card, PIN Keypad, Fingerprint, Wiegand Protocol)

Databases: SQL or Microsoft Access

FollowMe Benefits

- Works with any printing device
- Controlled Printing
 - Restrict access using your existing proximity, magnetic, smart cards or biometric identification
 - Control printing and curb wastage
 - Restrict printer usage based on time, paper size or colour criteria
- Convenient Printing
 - Collect from any location
 - Print across the LAN, WAN or Internet
- Monitor and log printer usage
 - Full accounts on a per user, cost centre and printer basis
- Personal Printing
- Low-tech solution requiring minimal set up and ongoing maintenance
- Complete hardware/software package
- Significant Cost Savings
- A quieter office!

Cost Savings

- Reduced cost of ownership
- Reduced device support costs
- Reduced IT staff support overhead
 - Possible to standardise on single device manufacturer throughout organization
 - Users not reliant on single device
- Reduced running costs (consumables)

Return On Investment

FollowMe has the highest ROI of any product in its market and typically pays for itself within the first year!

Example

Savings based on 10 FollowMe units with Enterprise server software, 350 users and an annual throughput of 3 million pages.

- Total annual saving of £22,500
- Equivalent to an annual saving of £2,250) per unit
- Equivalent to an annual saving of £64 per user
- Equivalent to an annual saving of £0.0075 per page

(Based on figures provided by the Portman Building Society)

FollowMe Printing Copy Patrol

Control use of copiers and multi-function devices plus all the features of regular FollowMe Printing



An easy way to control, monitor and log the use of printers, multi-function devices and copiers.

Preventing the unauthorized use of expensive color printers, MFDs, copiers and plotters has always been a difficult task.

FollowMe Copy Patrol manages the use of copiers, restricting those who can use the copier and controlling the number of copies each user can make. Set a credit limit for each user, and use the accounting features to generate the costs of each user, department or machine etc.

FollowMe Copy Patrol performs the same functions as the original 100baseT FollowMe product (see previous pages), but has the extended ability to control multi-function devices and copiers. FollowMe Printing allows a document to be sent from any Windows PC to a FollowMe Q-Server. It uses ID cards, PINs or fingerprints to identify the user as the correct recipient of the document to be printed. Once you approach the printer or multi-function device with the ID, only then will your document be printed.

Ringdale offers an optional range of compatible readers. These include standard ISO proximity readers, Wiegand Proximity Readers (including HID, Motorola and Keri Systems), magnetic swipe card reader, fingerprint and keypad/PIN readers.

Key Features

- Control and log photocopier/MFD usage
- Monitor copier costs on an individual or departmental basis
- The same ID can also be used for Access Control and Time & Attendance system
- Direct Ethernet connection to Proximity reader
- Additional printing options available: number of copies, archiving or deleting
- Total security - users print when and where they like
- Prints to any internal or external Printserver supporting TCP/IP printing port 9100

Technical Specification

<i>LAN Attachment:</i>	<i>10/100T (autosensing) RJ45</i>
<i>Card reader method:</i>	<i>Smart Card/RF Transponder</i>
<i>Connector:</i>	<i>6 Way, RJ11 Reader Input</i>
<i>Dimensions:</i>	<i>30 x 75 x 165mm</i>
<i>Power supply:</i>	<i>External 5 volt power pack</i>
<i>AC supply:</i>	<i>100 - 240V-AC, 50 - 60Hz</i>
<i>Product Number:</i>	<i>00-16-2424-2451</i>

Accountability and access control for copiers, network printers and multi-function devices of all popular brands

Ringdale's FM Q-Server is based on the standard FollowMe Printing product (see previous pages). It incorporates a FollowMe configured, fully network-ready system, enabling simple set up of controlled printing around the network.

Documents can be sent from any application to the FM Q-Server for storing until activated using an ID card, PIN or fingerprint at the chosen printer. This identifies the user as the correct recipient of the document to be printed. Once you approach the printer or multi-function device with the required ID and the system matches the print job with the ID, only then will your document be printed.

The FM Q-Server incorporates a network-prepared Windows 2000 server with pre-installed FollowMe software, a monitor, keyboard and mouse. This can be connected directly onto the network.



Key Features

- Network-ready system with pre-installed FollowMe software for simple setup and operation
- Total security - users can print when and where they like
- Monitor printing costs on an individual or departmental basis
- Control and log color printer, MFD or plotter usage
- Additional printing options available: number of copies, archiving or deleting
- Prints to all internal or external printservers

Technical Specification

<i>Device Type:</i>	<i>Smart Card/RF Transponder</i>
<i>LAN Attachment:</i>	<i>10/100T (autosensing) RJ45 Input /Output Connector 6 Way, RJ11 Reader Input</i>
<i>Dimensions:</i>	<i>30 x 75 x 165mm</i>
<i>Power supply:</i>	<i>External 5-volt power pack</i>
<i>AC supply:</i>	<i>100 - 240V-AC, 50 - 60Hz</i>
<i>Product No:</i>	<i>00-16-2452-2450</i>

Ringdale Inc
101 Halmar Cove
Georgetown, Texas 78628
USA

Freephone: 888 288 9080
Tel: +1 512 288 9080
Fax: +1 512 288 7210

Ringdale Ltd
26 Victoria Way
Burgess Hill
West Sussex
RH15 9NF
United Kingdom

Freephone: 0800 214503
Tel: +44 (0) 1444 871349
Fax: +44 (0) 1444 870228

Ringdale GmbH
Cochemer Straße 12-14
D-68309 Mannheim
Germany

Freephone: 0800 - 8251880
Tel: +49 (0) 621 7186-0
Fax: +49 (0) 621 7186-20

Website: <http://www.ringdale.com>