

# Access Control Made Simple with *Easikey*

## Easikey

- Controls one or two doors
- 99 or 198 users
- Choice of proximity readers
- 3 Amp power supply
- Switch feature
- Simple to use
- Pre-wired in metal case
- Five year guarantee on readers and control equipment
- Lifetime guarantee on PAC proximity cards and keys



## Easikey 1000

- Controls one or two doors
- Up to 1000 users
- Proximity, wiegand, mag stripe, AVR and PIN support
- Printer facility
- Eight time profiles
- Pre-wired in a metal case
- Easy to install
- Choice of 1.5 or 3 Amp power supply
- Alarm relays and door monitoring
- Five year guarantee on PAC equipment
- Lifetime guarantee on PAC proximity cards and keys



**INTERNATIONAL LTD**

INTEGRATED ACCESS CONTROL, ALARM  
AND COMMUNICATION SYSTEMS

## What is Access Control?

Access control is simply a way of controlling the movement of people through doors or other secure entrances such as car park barriers or turnstiles.

This can be done in many ways, including the use of mechanical locks and keys or digital code locks. Each method has its advantages and disadvantages. Mechanical keys are inexpensive, but can be easily duplicated and keyholes can be vandalised. Code numbers for digital locks are often observed and passed on.

To overcome these problems, PAC have developed an electronic access control system called Easikey. This form of access control is based around PAC's specially developed proximity ID devices (Card or electronic key), although wiegand and magnetic stripe cards may be used on Easikey 1000. Each PAC proximity ID device has its own unique code, which can be programmed into any PAC system. This offers many benefits: for example, you can delete keys from a system, even if they are lost or stolen, and within the same system you can restrict access through certain doors.

PAC equipment carries a five year guarantee and PAC proximity ID devices carry a lifetime guarantee, all against electronic failure.

### Easikey Controller

Easikey is a simple and easy to use access control system that can control one or two doors (two readers), using Easi proximity readers. Installation is fast and simple.

The system can hold up to 99 PAC electronic keys\* (99 users). Access can be restricted through one or both doors if required.

Two Easikeys can be linked together to allow 198 users.



The Easikey controller comes in a robust metal case pre-wired for quick and easy installation. The Easikey has an integral proximity administration reader and a 3 Amp power supply. The cut-out allows for easy commissioning and programming

\*"Key" denotes both PAC proximity cards and electronic keys

using two simple buttons whilst restricting access to the interior of the case. The controller can accommodate up to three editor keys\* and only the holders of these keys can make alterations to the system e.g. adding new keys and deleting lost keys.

Once the editor key or keys have been programmed, other keys are added, either individually or in a batch. Keys are assigned access through one or both doors. You can use the Easikey with fail safe or fail secure locks via up to 2 Amp AC or DC via relays.

We recommend the controller be positioned in a secure place. For operation of the system during mains failure, we recommend installing a back-up battery.

### Easikey 1000 Controller

The Easikey 1000 controller comes in a robust metal case pre-wired for quick and easy installation. A choice of either 1.5 or 3 Amp power supplies is available. The controller case has a cut-out allowing access to a built-in membrane keypad and LED



display, as well as a proximity administration reader. The cut-out restricts access to the interior of the case whilst allowing easy programming. The keypad has specific function keys for simple addition and deletion of keys and other programming activities.

The unit can control up to 1000 users and has eight time profiles. A facility to connect a printer is provided as standard.

The Easikey 1000 can store its last 1000 transactions (events) and is compatible with Easi readers and also with the PAC PIN and PAC magnetic stripe readers. The PAC Wiegand Interface can also be connected to the Easikey 1000, allowing the use of a range of other reading technologies such as hands-free, wiegand and infra-red, AVR may also be used.

The Easikey 1000 also has two relays and door monitoring for door left open and door forced alarms.

**Database copy facility**

This facility allows you to copy the keys from one Easikey or Easikey 1000 controller to another controller of the same type. This can be useful if you wish the same keys to go into more than one controller. A portable Download Kit can be purchased for this task.

**Switch feature**

You can also use Easikey and Easikey 1000 as a secure switch. This feature can be used to turn many types of equipment on and off.

If you require any further information on any of the above please contact your distributor.



PAC Mag Stripe Card Reader

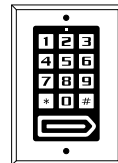
4. PAC Mag Stripe Card Reader  
This compact and reliable card reader reads PAC format encoded hi-co cards and is suitable for both internal and external use. It connects directly to the Easikey 1000 controller, no interface is required.

An additional mag stripe reader is required for card administration at the controller.

The reader measures:-

89mm wide - 34mm high - 34mm deep

For use with mag stripe cards and Easikey 1000 / Easikey 1000 Plus only.



Flush Mount PIN Reader

5. PAC PIN Readers

This proximity reader is highly durable with the added security of a Personal Identification Number (PIN) making it suitable for high security applications. The reader measures:-

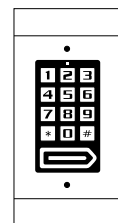
Surface Mount

100mm wide - 200mm high - 30mm deep

Flush Mount

100 mm wide - 144mm high

For use with Easikey 1000.



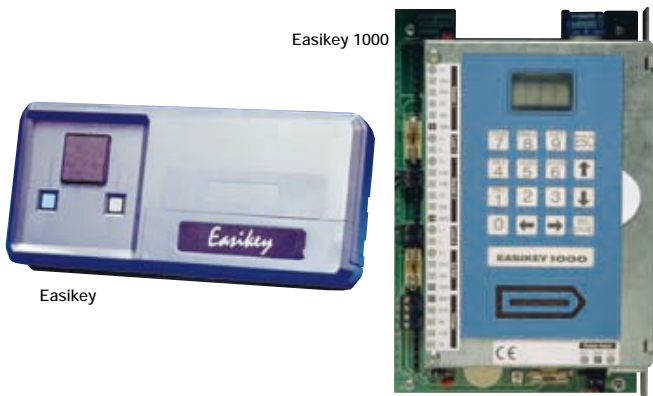
Surface Mount PIN Reader

6. AVR

AVR (Automatic Vehicle Recognition) is available on the Easikey 1000. Contact your distributor for details.

Unboxed Controllers

Unboxed versions of the Easikey and Easikey 1000 controllers are also available. These are supplied for mounting in customers own enclosures.



PAC Proximity ID devices

The benefits of the PAC proximity card and electronic key lie in their simplicity. The holder need only place one near the reader to release the door.

Easi Proximity Readers

1. Easi Mullion Reader

This is a small well designed proximity reader suitable for internal or external use.

measures:-

38mm wide - 83mm high - 12mm deep

2. Easi Vandal Resistant Reader

This is an impact resistant proximity reader especially suitable for external use in hostile environments. Attractively styled in either brushed stainless steel or brass. (screws supplied)

The reader measures:-

100mm wide - 100mm high - 12mm deep

Requires a Vandal Resistant screwdriver.

3. Easi Panel Reader

This proximity reader is designed to be incorporated into a door entry panel or into the fabric of a building.

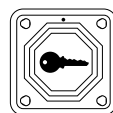
The reader measures:-

External face: 40mm wide-60mm high -2.5mm deep.

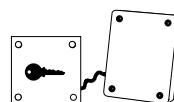
Internal mounting: 60mm wide - 90mm high - 10mm deep.



Mullion Reader



Vandal Resistant Reader



Panel Reader

- Every ID device carries a **LIFETIME GUARANTEE** against electronic failure
- It will **NEVER WEAR OUT**
- It **CANNOT** be **COPIED**
- Each has a unique code with one of **68 BILLION** combinations
- It needs **NO BATTERIES**
- If lost then it can be **EASILY DELETED** from the PAC system
- You decide **WHICH** door a key or card holder can go through.

- it's that **SIMPLE!**



The PAC Proximity ID card

The PAC Electronic Key

## What you need

What you need to order for an Easikey system:

### EASIKEY and EASIKEY 1000

These include an Easikey or Easikey 1000 Controller with a 1.5 or 3 Amp power supply, all pre-wired in a robust steel cabinet.

There is room in the metal case for a 2.8Ah backup battery.

Please note that you require one reader, one request to exit switch and one electronic lock strike per door. There are many types of electronic locks on the market. Your distributor will advise you.

Optional door contact switch on Easikey 1000

### EASIKEY and EASIKEY 1000 Un-boxed

If you wish to supply your own enclosure and power supply, you only require the following:-

Easikey or Easikey 1000 Controller; one or two readers; one request to exit switch and one electronic lock strike per door.

Optional door contact switch on Easikey 1000

Your choice of power supply will depend on the type of electronic locks you are going to use.

## Specification

### METAL CASE

18 swg mild steel cabinet with hinged lid and space for a 2.8Ah battery. Cover secured by lock and key. The metal case is powder coated to RAL 7032 - leatherette finish.

### POWER SUPPLY\*

An integral pre wired 1.5 or 3 Amp power supply with back-up battery provision. (Boxed Easikey only supports the 3 Amp power supply.)

\* Item supplied with Boxed Easikey and Easikey 1000 can also be purchased separately.

### POWER REQUIREMENTS:

#### Easikey

Controller 8 to 14.5v AC (50/60Hz) or 10.5 to 20vDC

Controller Current 190mA (0.19A) max.

Reader Current 90mA (0.09A) max.

Lock Control Relay contacts: 24VAC/DC @ 2 Amp.

#### Easikey 1000

12vDC (3A)/24vDC(1.5A)  
or AC transformer rated at 16.5vAC 50 vA

Controller Current 350mA (0.35A) max.

Reader Current 90mA (0.09A) max.

Lock Control switched output: 12DC @ 1 Amp  
AC @ 1/2 Amp.

Alarm relay contacts: 24VAC/DC @ 2 Amp

### Door Controller Dimensions (unboxed)

Easikey:-  
200mm wide - 90mm high - 30mm deep

Easikey 1000:-  
141mm wide - 254mm high - 55mm deep

### Pre-wired

The Controller is pre-wired to the power supply and fuse block

### CABLING

Controller to Reader 0.22mm<sup>2</sup> (six core) including Request to exit switch.

Controller to Electric Release 0.5mm<sup>2</sup>. Providing these recommendations are adhered to, the maximum cable length for both readers and electric releases is 100 metres.

### BATTERIES

You may wish to purchase a back-up battery. The length of time these batteries will last on mains fail depends on the current consumption of the locks you choose.

### VANDAL RESISTANT SCREWDRIVER

A special screwdriver is needed to fit the anti-vandal screws on the Easikey 1000. This item is available from your distributor.

### ACCESS LEVELS

Door 1 or Door 2 or both.

Optional time controlled access on Easikey 1000

### MAXIMUM READING RANGES

Mullion Reader 0-25mm

Vandal Resistant Reader 0-10mm

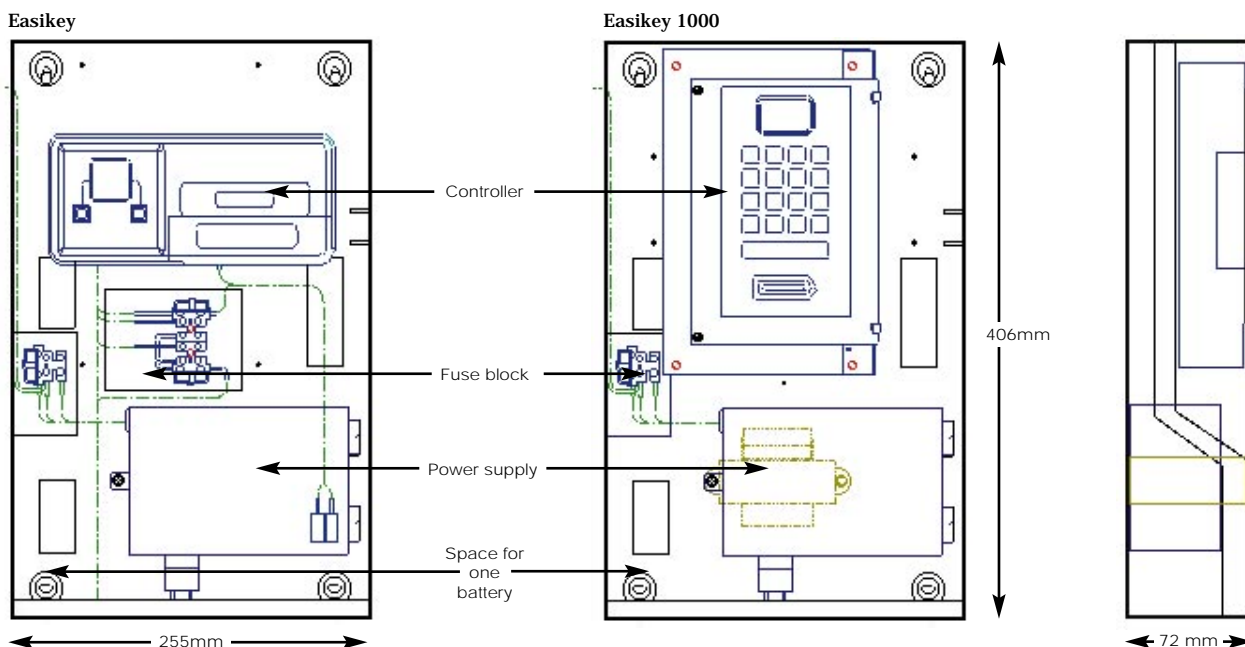
Panel Mount Reader 0-10mm.

Environmental  
Controller 0°C to +50°C, 0% to 90%RH (non condensing). Reader -15°C to +50°C, sealed construction.

### Ordering Information

Unboxed Easikey	-	20370
Boxed Easikey	3.0 Amp	21277
Unboxed Easikey 1000	-	21446
Boxed Easikey 1000	1.5 Amp	21453
Boxed Easikey 1000	3.0 Amp	21452

## Metal case specification



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