



# Smartair

Proximity access control

 SMARTAIR™  
ASSA ABLOY

ASSA ABLOY, the global leader  
in door opening solutions

# Simple and modern access control

A good security system should be as invisible as the air to its users.

The freedom to go anywhere you ought to be able to go is essential – but just as importantly, when an intruder tries to get in, you must have tough, reliable security.

Smartair, the new proximity system from ASSA ABLOY Door Solutions, provides the power and control of access control with the low cost and flexibility of an offline system, combined with the sheer physical strength of ASSA locks.

**Smartair:**  
**A fresh approach**



# The Smartair advantage

## Proximity system

Using Smartair is as simple as holding your card or tag up to the reader. Because it's contactless, wear and tear is reduced to a minimum.

## High security

The strong encryption of a smartcard system is combined with the physical security of an ASSA lockcase.

## Attractive design

The elegant slimline looks of Smartair accompanied by a choice of straight or return handles will complement any architectural design.

## Simple installation

Smartair's battery-powered units require no expensive cabling, may be retrofitted to existing doors and are easy to set up and use.

## Stay in control

Smartair allows you to control access by time and calendar schedules and user groups and provides full audit trail capabilities.





# The Smartair system

The Smartair system can be customised to give you the sophistication you need at a price you can afford.

## Offline Classic

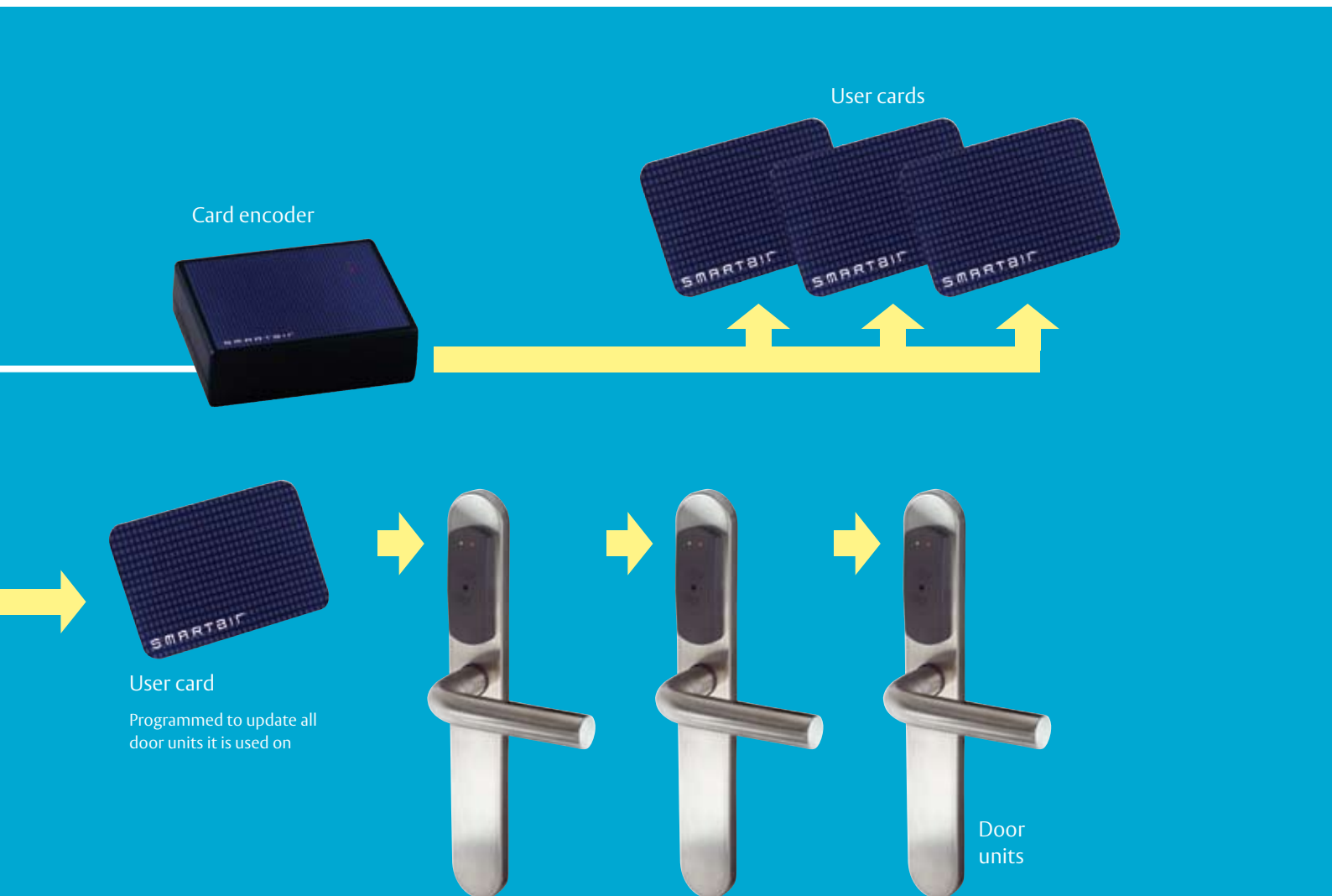
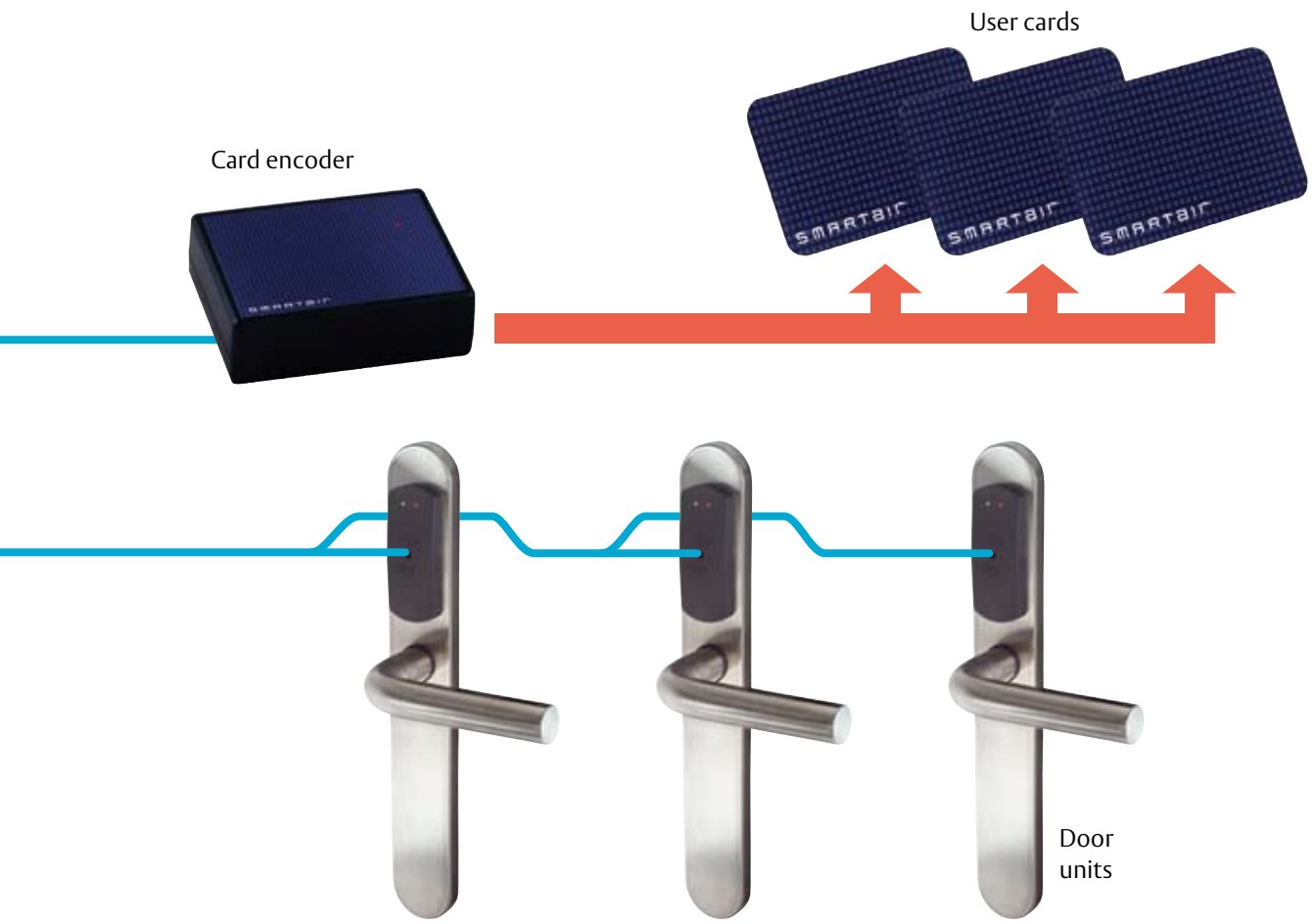
The full capability of this access control system is empowered by the central PC software. Cards are encoded centrally and a portable programmer is used to set up each door unit.



## Offline Classic UoC (Update On Card)

An updater wall unit can be networked to the central PC. This allows user cards to update each door unit automatically. No need to travel to each door location individually when changes are required!





# The flexibility to suit all applications

Smartair's attractive slimline design allows it to be fitted to any type of door – timber, steel, aluminium or PVC, standard or narrow stile. IP-54 rated external models are also available for use in exposed conditions.

When used with different locks from the ASSA Evolution and Modular ranges a wide range of locking and escape functions may be achieved.

Wall readers are also available, to allow Smartair cards to operate an electric locking device such as an electric strike, motor lock or door magnet.

We also offer a choice of handle designs, including straight bar and return to door patterns, satisfying the requirements of Document M and BS 8300.



Smartair may be fitted with a key or thumbturn override, allowing the door to be deadlocked at times when card holders should not be permitted access. The L5S and L8V options also feature privacy indicator LEDs which illuminate when the door is deadlocked using the internal thumbturn.



**L1S**

**External**  
Card access.

**Internal**  
Free exit.



**L5S**

**External**  
Card access.

**Internal**  
Free exit;  
turn override.



**L8V**

**External**  
Card access;  
key override.

**Internal**  
Free exit;  
turn override.



**L2V**

**External**  
Card access;  
key override.

**Internal**  
Free exit.



**L3V**

**External**  
Card access;  
key override.

**Internal**  
Free exit;  
key override.

# Technical information

## Physical data

The cover is stainless steel, 40.5mm wide by 281mm long. The interior plate is 21mm thick, the exterior 10mm.

Compatible with ASSA Evolution and Modular lockcases with 35mm, 50mm or 70mm backsets with through handle followers.

## Electrical data

Requires three AAA LR03 1.5V batteries. Standby power consumption 20mA, estimated battery life over 20,000 operations or 2 - 3 years. Wall reader requires 12/24V DC power supply.

## Identification technology

Smartair 13.56MHz read/write contactless RFID chip. ISO 14443A Phillips Mifare: 1K as standard, 2K and 4K also available. 10mm read distance.

Depending on system complexity, the storage capacity of the Mifare smartcard can also be used to record audit trail information or control other systems such as cashless vending or photocopiers.

## Control unit

Non-volatile memory, red and green warning LEDs with various notices such as low battery warning.

Systems can handle up to 1,500 users per door unit and 65,000 per system.

Audit trail records up to 1,000 events.

Real-time clock and calendar, 14 time zones with five time periods each.

## Control software

The TS1000 software used with Offline Classic and Classic UoC systems may be installed on any PC running Windows XP or Vista, and can be used over a standard Ethernet network.

Licences are available for 10, 30, 75 or 75+ doors, and can be upgraded.

Updater units communicate with the PC via TCP/IP.

## Operating modes

Free way: lock always open (free access).

First user: lock becomes open (free access) after the first access by an authorised user.

Standard: Default operating mode. User card must be presented each time to gain access.

Double user: two authorised users must both present their credentials to gain access.

## Operating environment

Supplied as standard for doors between 38mm and 44mm thick. Extended spindles and screws for thicker doors are also available.

Wall readers and external versions of door units are IP-54 rated, suitable for use on external doors.

Suitable for use in humidity up to 85% (non-condensing), external temperature between -20°C and 70°C, internal temperature between 0°C and 50°C.

Certified for use on fire doors rated at 30, 60 or 90 minutes to EN 1634:2000.

## Specification

Each door unit is supplied with plates, handles, spindle and screws, construction card and batteries.

The Starter Kit comes with software, user licence and activation key, card encoder, portable programmer, and a supply of 50 user cards.

Mortice locks, cylinders and cylinder/thumbturn fittings (if required) must be specified separately.

Cover plates are available to hide existing door preparation when retrofitting Smartair units.

ASSA ABLOY is the  
global leader in door  
opening solutions,  
dedicated to  
satisfying end-  
user needs for  
security, safety and  
convenience.

 SMARTAIR™  

---

**ASSA ABLOY**

ASSA ABLOY Door Solutions  
Units 3-4 ZK Park  
23 Commerce Way  
Croydon  
CR0 4ZS  
T: 020 8688 5191  
F: 020 8688 0285  
Email: [sales@assaabloy.co.uk](mailto:sales@assaabloy.co.uk)  
Web: [www.assa.co.uk](http://www.assa.co.uk)