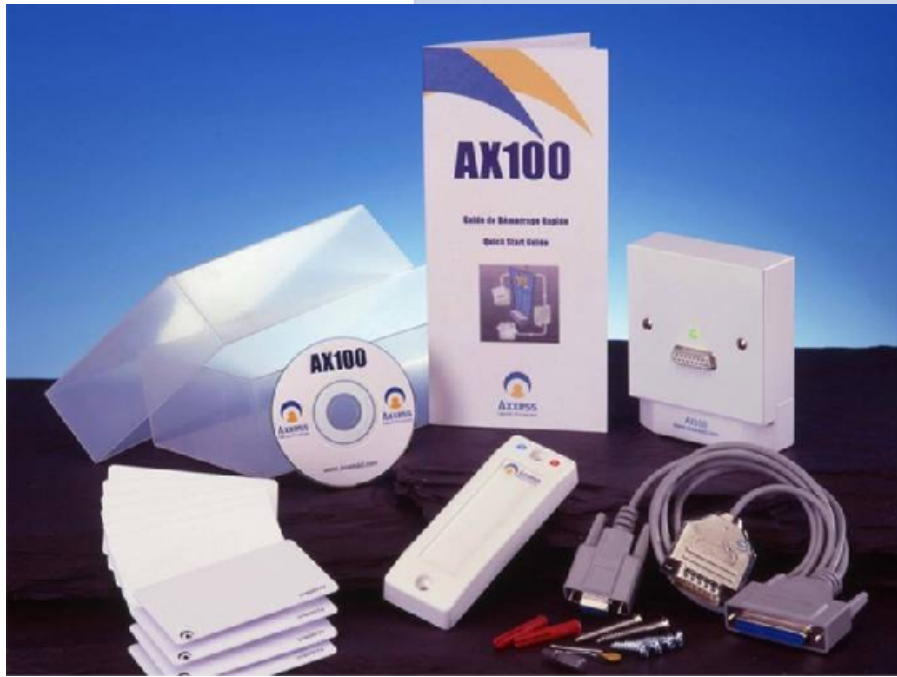


## Plug & Play Access Control for 1 Door



### AX100 Kit Contents

- 1 AX100 Controller
- 1 Proximity Reader
- 10 Proximity Cards or Key Fobs
- 1 Program Card
- 1 Fixing Kit
- 1 AX100 Software on Mini CD
- 1 Quick Guide
- 1 PC to Controller Cable



The AX100 access control kit is a compact, standalone single door controller supplied with Windows™ Plug and Play software for up to 4,000 cards - ideal for all doors, gates and barriers – in offices, factories, warehouses, hospitals, membership clubs etc.

Presenting the proximity card within 10cm (4") of the slim-line reader, automatically verifies the unique code contained in the card and opens the door if access is allowed for the individual.

The mullion-style reader is weatherproof, easy to install and fixed with the security screws supplied, allowing installation even in the toughest environments.

The PC software included is fully plug and play, which automatically detects the correct COM ports and controllers, together with built-in set-up and test card wizards.

The wireless smart cards are standard credit-card size – with 48 billion unique codes, transmitted without the need for batteries or degrading contacts, making this not only a highly secure technology but also durable because the card and reader are both totally sealed.

## General Features

Data on up to 4,000 cards can be stored in the controller which should be installed on the inside of the door. The controller is supplied with a surface mountable electrical back-box with entry slots for standard trunking. The industry-standard size allows the unit to be flush mounted in a standard single gang back box.

One standard 12V power supply can be used to power the system and electric lock or strike. The heavy duty on-board relay (5A) can switch electric strikes, magnet locks or interface with barrier and gate controllers.

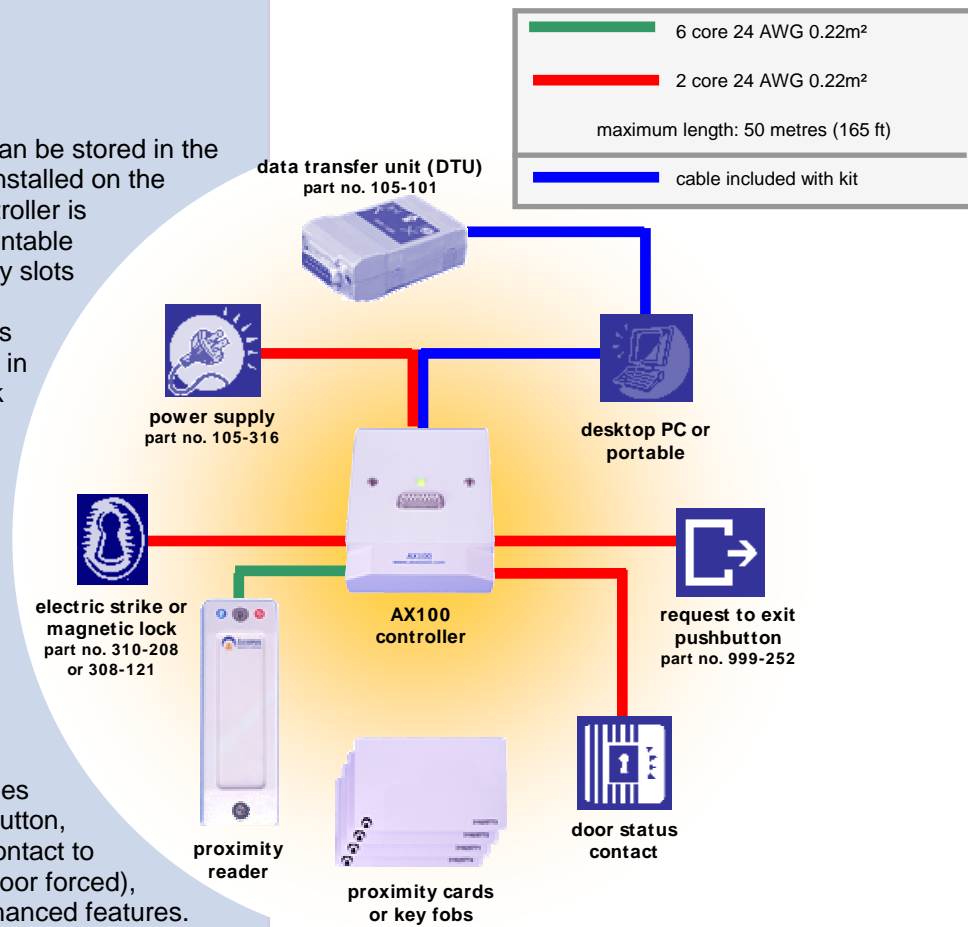
The AX100 controller provides inputs for a request to exit button, and also for a door status contact to signal unauthorised entry (door forced), door left open and other enhanced features.

In the event of total power loss all data will be retained for over 10 years and the door can be set to automatically lock or unlock on power up.

The system is easy to install and with the program card supplied – initial set-up can be accomplished quickly, in minutes, without the need for a PC.

With the use of a PC, cards can be set to open the door for the standard time (1 – 255 seconds) or extended time. They can also be authorised to use the latch function, which permanently unlocks/locks the door by using that card twice consecutively.

The controller also provides a high security mode which disables the lower access group of cards whilst still providing access for those in the higher access group.



	6 core 24 AWG 0.22m <sup>2</sup>
	2 core 24 AWG 0.22m <sup>2</sup>
maximum length: 50 metres (165 ft)	
	cable included with kit



	Cable Supplied with Kit	Cable Length Supplied	Cable Type	Maximum Length
<b>PC to AX100 Controller</b>	✓	9 way to 15 way 2 metres	4 core screened	15 metres
<b>AX100 Controller to Reader</b>	✓	2 metres	6 core 24AWG	50 metres
<b>AX100 to Lock</b>	×			
<b>AX100 to REX</b>	×			
<b>AX100 to Door Contact</b>	×		2 core unscreened 24AWG 0.22mm <sup>2</sup>	50 metres
<b>Power Supply to AX100</b>	×			

## Key Features

- Single door controller with PC software
- Industry-standard single gang electrical back-box
- Plug and Play Environment
- Up to 4,000 cards or 2,000 cards and PIN-code
- 60 software database fields including photograph
- Import / export function
- Print or E-mail reports
- On or offline system
- Multi-language support
- Easy to install
- 10cm proximity reading range
- Program offline controllers with a DTU
- Selectable door open & extended door open times
- Remote door control
- Deadlock
- High security mode
- Latch function (permanent unlock)
- Scheduled backup utility
- Windows™ 95, 98<sup>SE</sup>, NT, 2000, ME & XP
- Installation and user wizards

The graphical interface is easy to use, even for those not familiar with the Windows interface.

Lost or stolen cards can be quickly cancelled and/or replaced using the Card Replacement Wizard, thus avoiding the need to re-enter all the cardholder data, and also to keep track of previously issued cards.

The PC software can store over 60 database fields per cardholder including photograph, company details, department, personnel data and vehicle details, with search and quick search facilities.

Although communication is to a single AX100 controller at a time, the software can store data for thousands of controllers. Upon connection of the software to the controller, the unit is recognised via its unique number and the correct controller data is automatically selected.

If permanent connection of the PC is not possible, or the use of a laptop is impractical, the optional Data Transfer Unit (DTU) can be used. This still allows the use of the powerful software features offline, as all the data is downloaded to the DTU. Simply plugging the DTU into the controller downloads the correct data to the controller, using the unique built-in address.

## Data Transfer Unit (DTU)

**Step 1**—Connect DTU to PC



**Step 2**—Wait for automatic data transfer



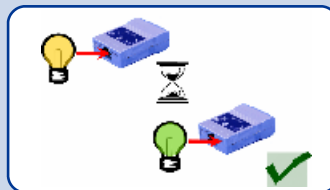
**Step 3**—Go to listed door(s).



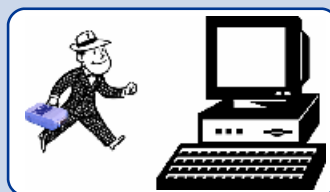
**Step 4**—Insert DTU into controller



**Step 5**—Wait for automatic download



**Step 6**—Return to PC for download



**Step 7**—Wait for automatic download confirmation



## Additional Products Available



### Cable Extender

part no. 105-604

The cable extender kit allows up to 1,200 metres of cable distance between the PC and the AX100.

### Data Transfer Unit (DTU)

part no. 105-101

The Data Transfer Unit enables the transfer of data from the PC software to the AX100 controller without a physical PC connection.



### AX Proximity Fob

part no. 205-221

Proximity fob for use with AX Proximity and Keypad readers. Sold in packs of 10.

## AX100 Technical Data

### Minimum PC Requirements

Processor Speed: 400 MHz  
Memory: 128MB RAM  
Hard Disk: >100MB Free Space  
Hardware: CD ROM & Serial COM port  
Operating System: Windows™ 95, 98SE, NT, 2000, ME & XP  
Screen Resolution: 800 x 600 or 1024 x 768  
Video Memory: >8MB

### Warranty Period

The equipment is guaranteed against defects in materials and workmanship for 5 years from date of shipment (see warranty policy for details).

### Part Numbers

AX100 Kit	105-104
AX100 Kit with Keypad Reader	105-107
Data Transfer Unit	105-101
AX100 Software & Controller only	105-100
Power Supply	105-316
AX100 Demonstration Kit	105-103

Distributor:

### AX200 Module

part no. 105-201

The AX200 module provides an easy upgrade of existing AX100 controllers to an online system with time zones and storage of transactions with date and time stamp. The AX200 is Ethernet, TCP/IP based and can run over existing local and wide area networks, saving on cabling and/or modems, which is also ideal for large and multi-location remote sites. The software can handle simultaneously on and offline controllers and DTU's

### AX Proximity Reader with Keypad

part no. 105-221

The AX100 controller can be set for card only, card and PIN-code or PIN-code only.

White ABS

119 x 40 x 17 mm (4.69 x 1.57 x 0.67")

12VDC 45mA



### AX ISO Proximity Cards

part no. 205-220

ISO proximity cards for use with AX Proximity and Keypad readers. Suitable for photo ID printing. Sold in packs of 10.

### Dimensions & Power Requirement



#### Faceplate

Steel powder-coated white

87 x 87 x 28 mm (3.43 x 3.43 x 1.18")

12VDC 45mA

#### Housing

White ABS

87 x 115 x 30 mm (3.43 x 4.53 x 1.18")



### ISO Proximity Cards

54 x 85.7 x 0.84 mm  
(2.125 x 3.375 x 0.033")



### Proximity Reader

White ABS

119 x 40 x 17 mm (4.69 x 1.57 x 0.67")

12VDC 45mA



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