TOUCHLOCK

access control systems

TOUCHLOCK is a range of vandal resistant and architectural keypad access control systems. The range has been designed to be very easy to manage and install. All changes to access codes and other system settings can be accomplished in a couple of minutes just by using the keypad. Versions to provide higher security on external doors are available. The keypads are quite simply the best looking in the business.

Paxton Access Ltd is a market leader in the design and manufacture of access control systems. The products are rich in features and provide excellent levels of quality and relia - bility at a competitive price. Above all, the systems are designed to be exceptionally easy to install and use. The products are available from a wide range of professional installation companies and leading security industry trade distributors.

PAXTON ACCESS

Simple & Powerful

The Advantages of electronic keypad access control

The benefits of electronic keypads over traditional mechanical keys and locks have been well proven in hundreds of thousands of installations around the world. Lower running costs, ease of movement for authorised personnel and ease of administration result. For example, when a key is lost locks have to be replaced to maintain security levels. By contrast, a keypad access control system will simply allow the access code to be changed. Doors to sensitive areas can be kept locked without the inconvenience of having to carry keys or cards.

Particular advantages of TOUCHLOCK

The TOUCHLOCK range of keypads has been designed to be particularly easy to install and set up. To change user codes or other system settings, other systems require gaining access into a separate control box or opening the reader case to change link wires. With TOUCHLOCK changing the user code, or any other system setting, is achieved by simply pressing keys on the keypad. The products also have excellent aesthetics that have found favour with a wide range of architects and end users. In the field, the products are delivered fault free and have proved to be reliable in use. This has made the TOUCHLOCK family of keypads a firm favourite of installation companies. Please read the additional explanations in this leaflet and check the Features table to choose the correct TOUCHLOCK product for your application.

How TOUCHLOCK protects the code

- TOUCHLOCK requires the code to be entered sequentially - many other keypad systems allow the digits in the code to be entered in any order. This greatly increases the possibility of guessing a correct code or finding it by trial and error.
- Lock out - after 20 incorrect key presses the keypad will shut down for 5 minutes to prevent obtaining the user code by trial and error (this is programmable with the switch and compact stainless steel models).
- Making the changing of the code so simple means it will be carried out promptly thus maintaining the security level.

The advantages of multiple user codes

There are two situations where being able to have more than one valid user code is useful.

The first improves security and eases the management of a system with a larger number of users. Where different codes are given to individuals, if a member of staff leaves, their code can be cancelled. This avoids the the need to notify the other members of staff of a code change. For systems with a high number of users, assigning different codes to groups of people would greatly reduce the number of code changes given to staff in each group in a year.

The second use of multiple codes is to provide a zoning system. Individuals or groups of people are given codes which only allow them into certain specified rooms in a building. The codes of all the individuals or groups would be made valid at the main entrance allowing all users to access the building.

Stainless steel or membrane keypad?

The membrane keypad is used where aesthetics, available fixing space (eg on frames) or cost is the overriding factor. It is suitable for light use in a small office environment. It can be used externally in unexposed locations. The stainless steel keypad is waterproof, hard wearing and highly vandal resistant. It can be used in the most demanding locations. It is supplied with both standard and security fixing screws. For external doors use TOUCHLOCK stainless steel keypad with a switch control unit to provide an unbeatable high security keypad solution.

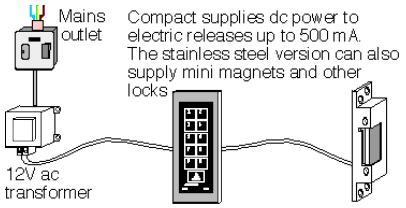
Where can TOUCHLOCK be used

Keypads generally provide higher security applications for up to around 50 people or, in lower security applications, prevent casual intrusion into private areas in premises with several hundred users. For more demanding applications card or proximity access systems should be used (see back page). TOUCHLOCK systems have been successfully implemented on applications ranging from a single door to many doors by users such as: Bath and District Health Authority • DHSS • British Petroleum • Barclays Bank • Allied Breweries • Littlewoods • Trust House Forte • Citibank • British Aerospace • National Trust • British Gas • Moorfields Eye Hospital • CEGB • many other public and private bodies.

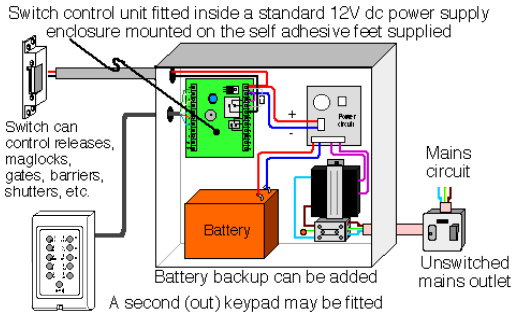
TOUCHLOCK compact or TOUCHLOCK switch

There are two types of TOUCHLOCK system: switch and compact. The two systems look identical to the user once installed and operate in a similar manner. Both systems are available in membrane and stainless steel versions. However, there are important differences between the two which need to be understood by anybody choosing a system.

TOUCHLOCK compact: Compact products have all of the electronic circuitry, memory and intelligence inside the body of the keypad. The benefit of this is that installation wiring is very simple. **TOUCHLOCK compact** is the membrane version. It has three twin core cables coming out of the rear of the keypad. The black cable connects to a 12 volt power supply and the white cable connects to the lock. A green cable is available for connecting to a sounder or is cut short if not required. **TOUCHLOCK compact stainless steel** has an additional cable (grey) for connecting to an exit button. The use of the latest silicon chips and surface mount techniques enable all the electronics to be within the slim keypad profiles.



TOUCHLOCK switch: All the electronic circuitry, memory and intelligence are taken out of the keypad and mounted on a separate circuit board. The TOUCHLOCK switch control unit has been designed to be located inside any standard 12 volt dc power supply cabinet using the adhesive backed mounting posts provided. The control unit provides clearly numbered connections for one or two TOUCHLOCK keypads, locks, exit buttons and the power supply.



Why buy the switch version of TOUCHLOCK?
To provide higher security levels (especially for external doors) and additional features

Higher Security

With any compact product the electronics are all in the keypad on the insecure side of the door. This means that it is prone to tampering. A determined and knowledgeable unauthorised person could gain access. With switch the intelligence is inside the secure area making it impossible to gain access by tampering with the keypad. **It is therefore strongly recommended that TOUCHLOCK switch is used in preference to compact products for external doors.** This point is applicable to any compact product, whether manufactured by Paxton Access or another manufacturer. Switch should also be considered for any higher security internal area where there is a perceived risk of tampering to gain entry.

Additional features of TOUCHLOCK switch

- The control unit has relays that can switch loads up to 5 amps. This allows the operation of virtually any type of lock, gate, barrier, turnstile, lift car, etc and simple connection to other systems such as audio or video door entry systems.
- A toggle code and relay (type code to open and again to close) is available to switch other systems (alarms, lights, etc).
- One or two keypads may be connected for applications requiring code entry both in and out.
- Provides a solution with 50 user codes using a membrane keypad.

Upgrade compatibility : TOUCHLOCK switch allows for economic upgrading of the system in the future to card plus code or proximity plus code entry with little redundancy of the equipment used in the initial installation. CARDLOCK or PROXIMITY (see back page) would be combined with TOUCHLOCK to achieve this. An upgrade path to a NETWORK system with central software control and reporting is available.

TOUCHLOCK's memory

TOUCHLOCK access control systems can have the power supply backed up to ensure that normal access control continues in the event of a power failure. The systems can be connected to a central uninterruptable power supply or, more usually, to a 12 V dc local power supply that is fitted in a cabinet with batteries. In the event that all power to any TOUCHLOCK is cut off, special eeprom memory ensures that the system remembers all of its settings making reconfiguration unnecessary when power is restored.

TOUCHLOCK *access control systems*

Features table

Description	TOUCHLOCK compact	TOUCHLOCK compact SS	TOUCHLOCK switch
User codes	one 4 digit	up to 50 codes 4 to 8 digit	up to 50 codes 4 to 8 digit
Keypad construction	membrane	stainless steel	choose membrane or stainless steel
Keypad finish	Brass, black, satin chrome	stainless steel	all four finishes available
Second (out) keypad can be added	No	No	Yes
Exit button	No ‡	Yes	Yes
Card plus PIN (needs separate reader)	Yes	Yes	Yes
Sounder connection (for bell button) #	Yes †	Yes †	Yes
Duress code †	Yes †	Yes †	Yes †
Lock out after 20 incorrect digits	Yes	programmable †	programmable
Silent operation	Yes	Yes	Yes
Door open time	1 to 99 seconds	1 to 99 seconds	1 to 99 seconds
Fail open (fail safe) locks	Yes ‡	Yes	Yes
Operates a relay	No	No	Yes
Relay toggle code	No	No	4 to 8 digit code †
Water resistance	IPX5 (shower proof)	IPX7 (submersible)	same as compact ratings
Operating temperature	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
Size of Keypad	112 x 50 x 7 mm	130 x 75 x 19 mm	Both sizes available
Size of control unit board	N / A	N / A	65 x 70 x 20mm
Cable	twin flex(black,white&green)	twin flex(black,white,grey&green)	6 core screened
Cable length supplied	3m	3m	5m
Max. dist. keypad to control unit	N / A	N / A	30m ¤
Keypad life	>100,000 presses	>1,000,000 presses	same as compact ratings
Supply voltage	12V to 15V ac or dc	12V to 15V ac or dc	9V to 15V dc
Continuous output current	500mA	500mA	relay switches 5A
Output current up to 7 seconds	750mA	750mA	relay switches 5A
Output for sounder #	500mA	500mA	relay switches 5A
Quiescent current	30mA	80 to 100mA	60 to 100mA (with 1 keypad)

† Compact - sounder OR duress; Compact stainless steel - lock out and sounder OR duress; switch - relay toggle or duress

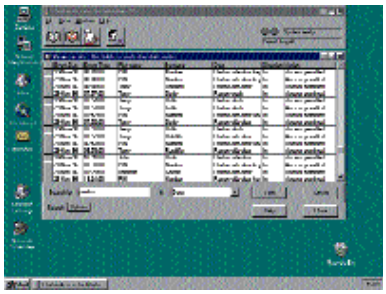
‡ Magnetic locks cannot be used with a TOUCHLOCK compact (membrane). A mechanical handle must be used to exit.

The sounder and lock current must total less than 950mA with compact products ¤ Longer distances can be achieved - ask for further details

Other Paxton Access systems follow the same philosophy of making access control easy and cost effective for both the installer and the end user. For further information about buying TOUCHLOCK or about the products below please call us, your installer or your distributor. Alternatively see our Internet web page at http://www.paxton-access.co.uk

CARDLOCK is the leader in providing simplicity and ease of use in card access control. The ingenious system of set up and card management allows a range of powerful features to be mastered in minutes.

PROXIMITY provides all of the convenience of proximity reading technology combined with the same ease of use and system management as CARDLOCK.



Paxton Access for Windows 95 is the ultimate in user friendly access control software. Control access by time and place and report on the movements afterwards. Proximity, magnetic stripe and keypads may be used on up to 120 doors.

Paxton Access Ltd
1 Shepherd Estate, Brooks Road
LEWES, East Sussex, BN7 2BY

Tel: +44 (0) 1273 480291
Fax: +44 (0) 1273 483753
Email: sales@paxton-access.co.uk

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