

# 19. Access Control Solutions for single & multi door systems

## Keypad

## Code Lock

## Proximity

## Swipe Card

The Care Standard requires Care and Nursing Homes to control the exit of residents from their premises, especially in situations where residents are vulnerable. At the same time the Fire Service dictates that all exits that are designated Fire Exits are able to be used as such in emergencies. And by doing it yourself or contracting out just the installation, you can dramatically reduce cost.



**Access Control Keypad Entry/Exit**

Electronic & mechanical access control solutions allow you to control access to premises and different areas without the use of keys. Doors can be opened with mechanical or electronic push-button locks, card swipe or proximity detection systems.



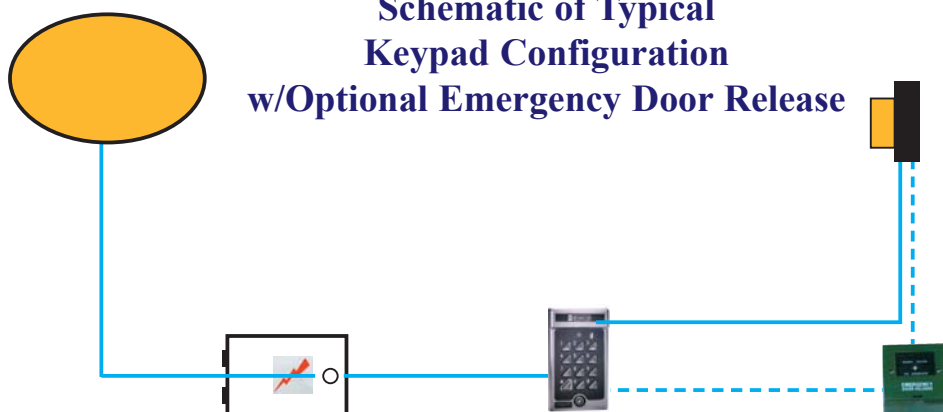
**Access Control Swipe Card Entry/Exit**

Fire Exit doors equipped with access control systems cannot be secured from the egress side such that special knowledge or effort is required to unlock the door. The solution is linked to the fire alarm system to satisfy fire regulations. Ideal in situations where exit is required in the event of an emergency, for example via the front door in the event of a fire but control is required at all other times.



**Access Control Proximity Entry/Exit**

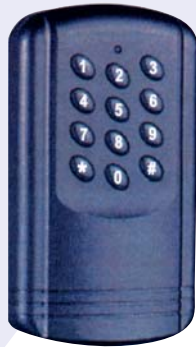
**Schematic of Typical Keypad Configuration w/Optional Emergency Door Release**



**Access Control Code Lock Entry/Exit**

# Access Control Solutions (cont')

## selection of components



The Keypad fixes to the wall or door and is connected to 12/24V dc Power Supply and a 12/24V ac/dc Electric Strike/Electronic-magnetic lock.

Entering a valid code on the Keypad/coded lock will allow the locking mechanism to be released to open the door. Dependent on the keypad chosen, up to 500 programmable user codes can be utilised



Alternatively a mechanical coded lock can be utilised instead of an electronic keypad.



An Electric Strike or Electronic Magnetic Lock can be utilised to secure a door but still allow access, for example, in the event of an emergency.

Electric Strikes are designed to be used with mortice latches or "Yale" type nightlatches. Current is either applied to open the door (fail safe) or lock the door (fail secure) dependent upon the requirement.



An electronic magnetic locks hold the door securely fastened. Entering the code into the keypad de-energised the lock and allows the door to open.



An internal release switch can be installed, for example (in a break glass casing if required), to allow release of the locking mechanism in the event of an emergency or to allow entry.



All electronic systems, require some form of power. Optional battery backup is available to enable the locks to remain operational in the event of a power outage.