CODEGUARD

HIGH SECURITY KEYPADS
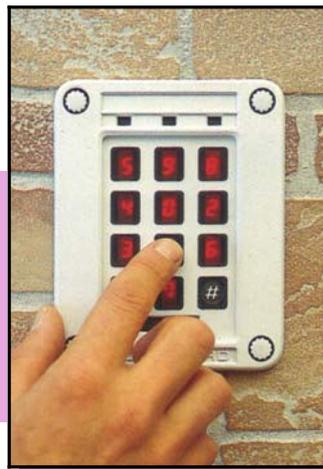

THE IDEAL LOCK & KEY

CODEGUARD High Security keypads can be used in the most demanding situations where access must be controlled. The keypads do not suffer from the lack of security associated with traditional keypads and neither do they have the risks of card based systems.

An onlooker can easily discover the entry code of a conventional keypad by observing which keys are pressed. Card systems have the risk of lost or stolen cards. CODEGUARD does not suffer from these problems as the keys are scrambled each time it is used.

The CODEGUARD keypad has a range of interfaces making it suitable for connection into most systems.

Onlookers view from the left

Direct view

Onlookers view from the right

CODEGUARD

The CODEGUARD keypad's design prevents onlookers from detecting the code being entered. Unlike a conventional keypad, there are no surface markings for the keys. Only a user standing directly in front of the keypad can see the scrambled digits.

As the digits are scrambled observing which keys are pressed will not reveal the code to a potential intruder. Each time the CODEGUARD keypad is used, the digits 0 to 9 are allocated at random to the keypad's 10 keys. There are over 3.6 million permutations! This also ensures that the keys wear equally, even if the same code is always used.

CODEGUARD

HIGH SECURITY

KEYPADS

TECHNICAL SPECIFICATION

Series 3 Codeguard Keypad

ELECTRICAL

Input Voltage:	+8V to +12V DC unregulated
Input Current:	500mA (maximum)
User LED's:	2

INTERFACE OPTIONS

Wiegand:	Keys transmitted via Wiegand interface.
RS232:	Keys transmitted via RS232 300/600/1200 baud, 7 bit Odd/Even or no parity
Matrix:*	Simulates a 4x4 matrix keypad Input/output levels LSTTL compatible
Encoded:*	Keys output in BCD input/output levels LSTTL compatible
RS422:*	Keys transmitted via RS422 300/600/1200 baud, 7 bit Odd/Even or no parity

* Available to special order

MECHANICAL

Dimensions:	137 x 106 x 52mm
Weight:	475g
Accessories:	Full range of mounting accessories available

ENVIRONMENTAL

Operating temperature: -15 to +50 degrees C
Front face sealed against dust and moisture

RESTRICTED VIEW

An internal viewing restrictor ensures that the numbers displayed by LEDs under each key are visible only by the person standing directly in front of the keypad. Even someone standing beside the user is unable to see the numbers, as the user's head obscures the viewing zone.
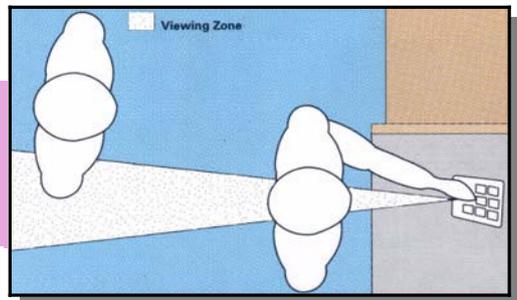

FRONT   BACK

Viewing Zone

Illustration of restricted viewing zone

Patents issued on the random assignment of numbers to the keys

Australia	537,136
Belgium	887,516
Canada	1,158,744
France, Germany, United Kingdom, (Hong Kong, Singapore), Netherlands, (Europe)	0,046,763
Italy	1,188,887
Spain	499,140

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