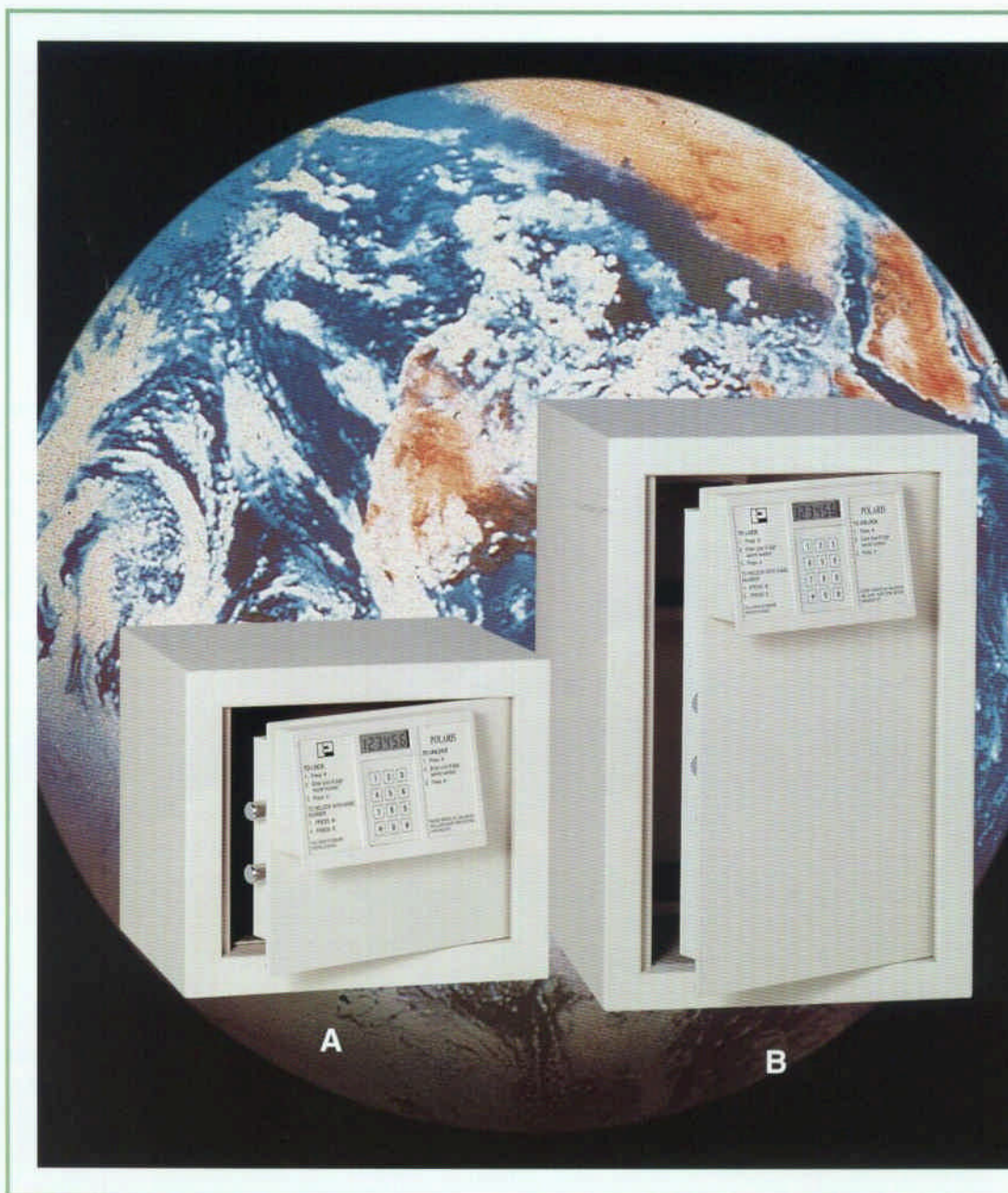


POLARIS

HOTEL BEDROOM SAFE SYSTEM



ELECTRONIC LOCKING

SYSTEM OVERVIEW

This innovative system, in adherence to security, is operated by a keypad complete with LCD display housed in an elegant plastic casing, which also acts as the handle. The safe's electronics, using the microcontroller with quartz crystal for time keeping, will log into its memory all transactions of the safe, with day, time and code.

OPERATION SEQUENCE

To lock the safe, the guest simply presses the "*" key and enters his/her own six-digit secret code. He/she then activates the microprocessor by pressing the "#" key so that the bolts are engaged behind the rebate. To reopen the safe, the guest follows the same procedure.

NUMBER OF COMBINATIONS

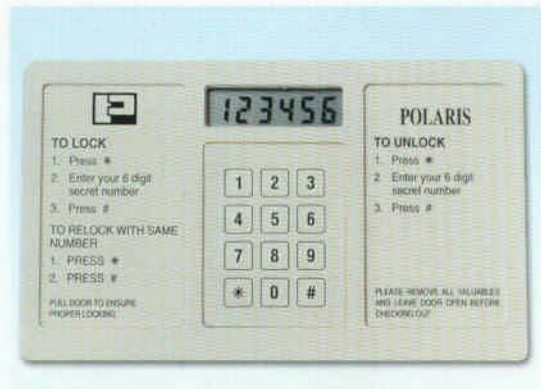
The system is operated by a six-digit code with one million practical combinations.

TEMPORARY LOCK OUT

The system is programmed to shut down for 30 minutes should there be more than three attempts at opening the safe door with an incorrect code - the LCD will display "ERROR 1" while simultaneously triggering an audio beep signal for 3 seconds and then the system goes into a "sleep" mode. Depression of any key will only reactivate the same "ERROR 1" condition. This condition is stored in non-volatile RAM and cannot be cleared by resetting the microprocessor.

ENERGY MANAGEMENT

The electronic system is powered by 4 units of "C" size alkaline batteries (1.5V each). Life span of cells is estimated to last for 3000 operations or 1 1/2 years, whichever comes first. The system using the CMOS design is also programmed to conserve energy by going into a "sleep" mode when not in use after 10 seconds. It will only reactivate when the "*" key is pressed.



MASTER CONTROL UNIT

The Master Control Unit is used to open the safe by the management in the event that a guest forgets his/her secret code. The MCU, using microcontroller automatic power shut down after 2 minutes is operated by a 16-key numeric keypad for various security and backup functions and 4 X AA size battery 6V. The MCU offers operational and security advantages over the conventional master key system, due to the fact that mechanical keys may be duplicated and their usages not easily controlled.

The MCU has been programmed with 3 levels of security complete with magnetic card reader for identification and PIN for authorisation. It is able to download the last 50 usages of the Polaris from the memory bank as well as monitoring the usage of the MCU. The room number, the user reference number, time and date are recorded every time a safe is unlocked by the MCU. This allows the manager a means of confirming that only the designated safes have been unlocked. The MCU is also programmed to prevent the unlocking of safes by MCU from other establishments. All data bank information can be hard copied via a parallel printer interphase.

Dimension : 209H x 100W x 36D (mm)

Weight : 500gms

POLARIS SAFE SYSTEM



TECHNICAL CHARACTERISTICS

	SIZE A	SIZE B
External Dimension	340H x 400W x 350D (mm)	600H x 400W x 495D (mm)
Capacity	25 litres	75 litres
Weight	20 kgs	40 kgs
Body	2 mm steel plate	
Door	6 mm solid steel plate hinged internally Door recessed into body	
Bolts	2 nos. chrome bolts of 19 mm diameter	
Locking	Motor driven boltwork	
Power Supply	Alkaline batteries (4 x 1.5V)	
Keypad	12-key membrane keypad with LCD display	
Override	MCU with memory and printout facilities	
Installation	Base Fixing	
Colour	Egg Shell	



SAFELOCK

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