ELECTRONIC LOCK SYSTEM

This system is designed for replacing mechanical keys for security and easy usage reasons. It consists of a control card, keyboard and battery.

NORMAL OPERATION: Each time when 6 digit secret code is entered from the keyboard for the single output version . Output sinks current (Open Collector) for app. 4 sec. From the actuator.For the double output version ,output 1 and if # and * key is depressed after the correct secret code is entered ,buzzer sounds app. 1 sec. indicating that programming mode is entered. Now you can enter your new secret code (6 digits).

EXTRA ORDINARY CASES : If any reason the secret code is missed then a customer specific master code (specific code 6 digits + 3 3 3 3 3 3 + # +* new code 6 digits) is used for the enter new secret code easily . If after the reset button is pressed and code 3 3 3 3 3 3 is entered then # and * key is pressed and the new secret code can be stored.(reset button should be placed so that unauthorized person can not reach)

EXAMPLE 1: Connect battery . Depress RESET buton . Enter code 3 3 3 3 3 3 and depress # and * , enter new secret code 6 digits .

EXAMPLE 2: Enter Master code (customer specific 6 digits)+3 3 3 3 3 3 + depress # and * ,enter new secret code 6 digits .

EXAMPLE 3: Product secret code is 1 2 3 4 5 6.

Press 1 2 3 4 5 6 and # and * buzzer beeps
Enter new secret code 6 3 8 4 9 0 now the new secret code is 6 3 8 4 9 0.

TECHNICAL SPECIFICATIONS :

BATTERY : 9-12 VDC (Life of app. 18 mounts for 5 operations daily)
OUTPUT : Open Collector type . 500 mA sink max.
BUZZER : Sounds when keys depressed or entering programing mode.
MEMORY : Built in EEPROM. 1 million secret codes record with 20 years endurance (without battery)
LOGIC : 8 bit microcontroller.
KEYBOARD : Standard type 3X4 keys.
DIMENSIONS: Circuit board 40X60 mm