

General Information

Two combinations levels:

- **One manager:** Can open, change their own code, add/manage users, program time delay.
- **Up to nine users:** Can open and change their own codes.

: New codes are rejected when less than 2 digits are different from existing

Time delay - Programmed by Manager

- Time delay programmable from 0 (no time delay) to 99 minutes. Open window from 1 to 19 minutes.
- During time delay period LED flashes at two seconds intervals. Open window is indicated by LED than buzzer at 1 second's intervals alternately (one flash, one beep). During open window, enter code and the lock will open.

Additional features

- TD override user #9 – When Time Delay is active, user #9 will **always** override TD in “dual mode” unless special configuration loaded
- Users selectable dual mode - Each user can be individually defined as a dual mode user through special configuration loaded

Battery low warning

- If battery low (< 4.8V) during motor activation, multiple beeps.
- If battery voltage drops below 4V during motor activation, higher frequency multiple beeps - board resets.
- If battery voltage lower than 4V without activating motor, high frequency multiple beeps until the battery is replaced - board continuously resets.

Important: All data is securely stored into lock board CPU memory and never gets lost even in case of continuous board reset or lack of power.

Time penalty

When entering a code, a time penalty of 5 minutes will be started after the 4th consecutive wrong code is entered. During time penalty, LED flashes at 10 second intervals with no access to lock. Any key pressed during time penalty emits a long beep. After time penalty, two consecutive wrong codes will start time penalty again.

Factory Mode

All locks are set on Factory Mode

Lock opens on a manager code of 6 - “5’s” (5-5-5-5-5) and on “#1”. Test the lock with these codes before proceeding to lock set-up with door open (once the lock is set-up the six 5’s and #1 will no longer open lock).

Battery power

Locks are designed to work with battery supplied power from 6 Volts to 9 Volts. It is possible to provide main power supply < 12VDC. We recommend fresh Duracell Copper Top or Energizer batteries only.

Attention: If voltage higher than 12 VDC is applied, internal circuitry protection will drain extra current and can cause possible board damage/failure.

Lock Set-up

To set-up the lock while in factory mode (with door open), press and hold #2 until you hear a double beep (LED stays ON), enter 6-5’s (5-5-5-5-5) and you will hear a double beep, enter the selected configuration number as per below configuration table and you will hear a double beep then the light will go out:

Prog. Number	9 users	Dual Mode
1	Yes (1 Manager, 9 Users)	No
3	Yes (1 Manager, 9 Users)	Yes

Factory mode is now cancelled, and the lock will open on the manager code of 1-2-3-4-5-6. Please test the new manager code: enter new code of 1-6 and you will hear a double beep and the bolt will retract. We suggest you change the manager code from 1-6 and retrain that new code. You can now move to setting up users.

Standard Procedures

To enter manager or user code

Enter code. Double beep if valid, long beep if wrong code.

To enter special function (manager or user)

Hold down function number until double beep. Enter manager or user code. Double beep if valid, long beep if not.

To open (Standard mode)

- Enter manager or user code - double beep and bolt will retract.
- If time delay enabled, LED flashes at two seconds intervals. Open window is indicated by LED flashing at 2 seconds intervals and beep at 2s intervals alternatively (one beep and one flash). Wait for open window to begin and enter combo to open.

To open (Dual combo mode)

- Enter first combo
- Enter second combo
- If time delay feature is installed, first combo will start time delay. During open window, enter both combos to open.

To open (Time Delay Override mode – user #9)

- Enter first combo. Time delay will start counting
- Enter user #9 combo to open
- Motor is activated.

Note: if special configuration is loaded, user #9 can open immediately without a second combination required

Standard Functions

To change code (Function #0)

- Press and hold #0 until you hear double beep and the light will remain on (the light must remain on during code change).
- Enter current code - double beep. Enter new code double beep and enter new code again to confirm and you will hear a double beep if correct, long beep if confirmation error. The light will go out and try your new code.

To activate user (Function #1)

- Press and hold #1, until you hear a double beep, light will stay on.
- Enter Manager Code, if correct, you will hear a double beep and light will stay on.
- Enter user ID #1 - #9 (not necessary if single user mode). Double beep and LED power-off if user is already active, exit function. Long beep if user is not available ("blocked"), aborting function. Double beep and LED on if user is available and still not active ("deleted").
- Enter new user code. Double beep if valid, long beep if code error, aborting function. Enter again code to confirm. Double beep if correct, long beep if confirmation error.

Notes:

- Manager only.
- If manager is the only available code (not "blocked") or dual mode is active and only one user is available (not "blocked" in the lock, this function is not available)
- Manager can activate user #9 only if no time delay or during open window.

- If dual combo mode enabled, enter a user valid combo before to access special function #1

To disable/enable users (special function #2)

- Enter special function #2.
- Double beep: all active users are disabled if currently enabled or enabled if currently disabled

Notes:

- Manager only.
- This function is available only if more than one user is available (not “blocked”) and dual mode is not active

To delete user (special function #3)

- Enter special function #3 double beep and light will remain on and then enter the current manager code.
- Enter user ID #1 - #9 (not necessary if single user mode). Double beep if user is installed, user is now “deleted”. Long beep if user is not available (“blocked”), aborting function.

Notes:

- Manager only.
- If manager is the only available code (not “blocked”) or dual mode is active and only one user is available (not “blocked”) in the lock, this function is not available
- If dual combo mode enabled, enter a user valid combo before to access special function #3

Lock/Keypad functional test (special function #5)

Press and hold #5, you will hear a double beep and the light will remain on. While the light is on you will enter each key once, starting with key ‘1’, then ‘2’, ‘3’, ‘4’, ... ‘8’, ‘9’, ‘0’. Each key is acknowledged with a double beep. If a key is not recognized, a long beep is emitted after bad key pressed and function is aborted.

Set time delay parameters (special function #9)

Enter special function #9.

Enter time delay value (from **00** to **99** minutes, 2 digits, 00 disables time delay) and open window (from **01** to **19** minutes, 2 digits). Double beep. Enter values again to confirm. Double beep if correct, long beep if confirmation error.

Notes:

- Manager only.
- If manager is the only available code (not “blocked”), this function is not available
- If manager changes values during time delay, the time delay value may only be increased. Smaller values will be ignored.

Factory reset procedure

- Via keypad (Universal models only): Change current Manager code to all 5’s (5-5-5-5-5) factory combination
- Factory reset is completed and indicated by a double beep after code change.
- Lock configuration is: 6 digits combo, only manager combo exists, set to all ‘5’s.
- Lock is now back to Factory Mode and can be reprogrammed per the set-up procedures above.