

1. Press and hold 5 until 2nd 🎵 and ☀️ stay on
2. Press all buttons in sequence 1-2-3-4-5-6-7-8-9-0 (sequence MUST start whilst ☀️ is still on)
 - Button responding with 🎵 and ☀️ stay on are working as supposed
 - Button responding with (long) 🎵 and ☀️ goes out are faulty

NOTES:

- Keypad-check functions are available on all M-LOCKS firmwares
 - If any button fails keypad has to be changed.
 - The keypad-check function is stored on the same level in the EPROM on the PCB in lock as the opening codes. A fully successful check means that the codes stored there are not compromised. If lock signals wrong code (long angry 🎵) and keypad check is OK it means that the entered code is incorrect no matter what end user might argue.
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The numeric sequence 1-2-....-9-0, which you check when entering function 5, is stored in the same memory area where opening codes are stored. As per flash memory technology/design, a small portion of the same memory area cannot be corrupted if another portion within the same area is still fine.

In another words, when you enter function 5 you test several things: each key on the keypad corresponds to the expected value, the clock frequency on which the CPU is working is fine (otherwise the digital sampling of the entered key analog value would be mis-calculated), the flash memory area of the CPU where codes and other information are stored is fine.

To change a code you first have to push and hold the "0" until a double beep sounds and the LED lights up to get into code changing mode. Then you have to enter the existing code to verify what code has to be changed. After this you have to enter the new code twice first to establish the new code and then to verify the code.