

ELECTRONIC TIMELOCKS

STB 114E

User's Guide

Introduction

Models and variants

Identification of key components

Initial set up

Part Numbers

Troubleshooting

Warranty

Service



INTRODUCTION

STB the world's only Electronic Timelock Movement Manufacturer is proud to present the 114E Electronic Movement.

The 114E is the electronic counterpart of the standard Mechanical movement, it has the following features:

- Locking time from 15 minutes to 999 hours depending on the selected model.
- Low bat security avoiding an arming of the movement if the battery is too weak.
- New revised battery life threshold Battery life now exceeds 70'000 plus openings.
- LCD Power saver, that shuts off the display after ten secs of inactivity.
- Time adjustment after setting is possible on reset devices.
- Same footprint as mechanical timers.

MODELS AND VARIANTS

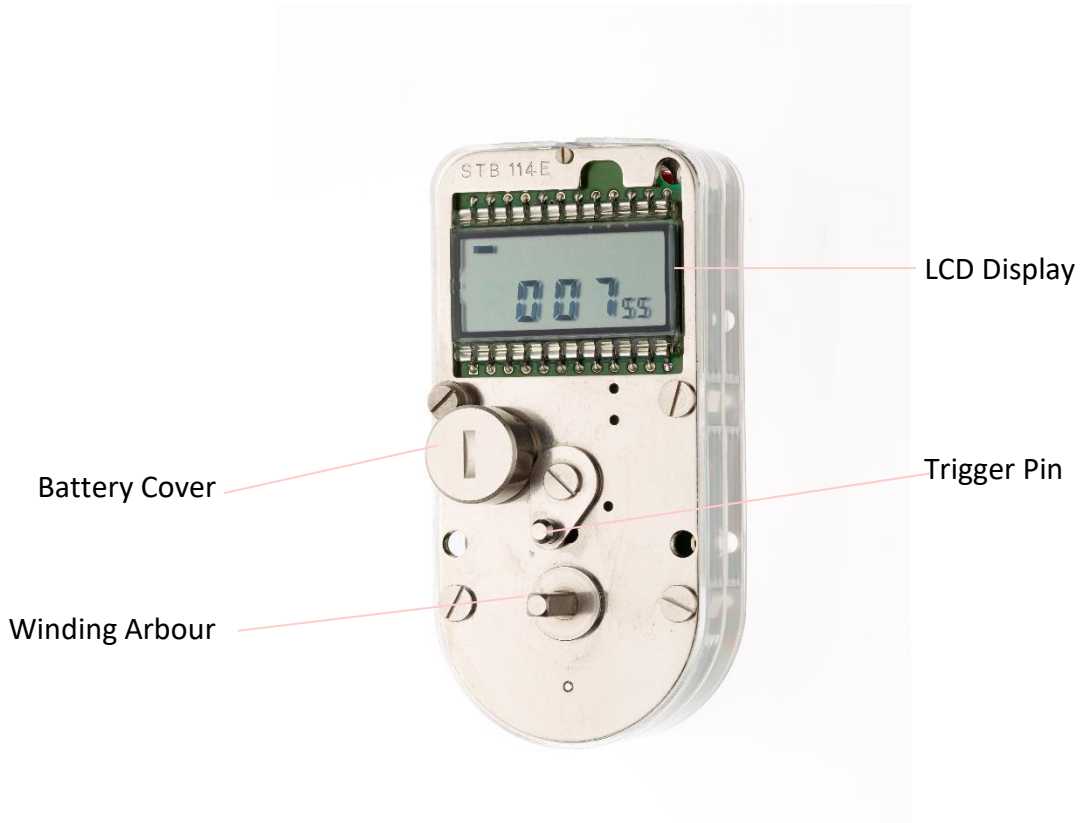
Part no	Description	Functions
10.0006	MVT-114E.1010-199-RES-R-AE	199h, resettable
10.0009	MVT-114E-1020-199-STD-R-AE	199h, non resettable
10.0010	MVT-114E-1030-999-RST-R-AE	999h, resettable
10.0011	MVT-114E-1040-999-STD-R-AE	99h, non resettable



Note:

- All the models can be delivered with. BP suffix, when so the opening can be controlled using a wired connection.

IDENTIFICATION OF THE KEY COMPONENTS



INITIALIZING THE MOVEMENT

1. Insert the top of the winding Key into the slot in the top of battery cap, turn Anti-clockwise to remove the battery cap
2. Carefully insert battery with the + facing Upwards
3. Replace cover turn Clockwise to secure



IMPORTANT! Never hold battery between thumb and forefinger on the + and - poles of the battery simultaneously, as this will immediately discharge the battery

4. All available icons on the LCD screen will be displayed as a self-check, makes sure all icons are free from defect

SETTING THE MOVEMENT

1. Engage winding key onto the winding arbor and turn anti-clockwise until a “click” is heard, and continue to turn another 1/4 turn to make sure arming mechanism is fully engaged
2. The Display shows 000000
3. Now turn the key clockwise to increment the time (granularity 15min) or counterclockwise to decrement the time until you reached the desired closing duration.
4. Once the desired time is reached, remove the key, the display will shut off after 10 seconds, this is normal.
5. On reset devices if the key is used again, one can set a new closing time, on non-reset devices, the key has no effect (one minute after the last movement of the key)



Note: If the different movements in a Timelock are not set with the same closing time, the shortest time will be the one taken in account for the opening of the safe.



Warning! NEVER SHUT THE CONTAINER DOOR BEFORE THE PROGRAMMING HAS BEEN VERIFIED 100%.

An error in the desired number of hours will secure the container until the count-down has completed, creating a possibility of a premature or seriously delayed opening, either way compromising normal operation.

PRODUCT PART NUMBERS

Designation	Ordering P/N
Movement	10.0006
Mounting Screws.	40.0761
Battery Cap	40.6071
#4 Standard Multi-Key	40.1047
Locking Ratchet	40.1530
Drive Train Field Repair Kit	40.1499

BATTERIES

Batteries required are the following:

Lithium 3V, Type 1/3N (IEC CR11108), Established brands such as Varta, and Duracell is preferable.

As in some countries these batteries may be hard to source, STB offers a battery pack that can hold 2 standard AA batteries.



Note:

- **Lithium batteries are not provided anymore form STB as customs restrictions are in place**

TROUBLESHOOTING

This Section is intended as a first level reference to resolving operational issues that may occur with the unit. If the problem cannot be resolved contact your nearest STB support center or STB Customer Support

LCD Remains blank	Remove Battery and ground Battery contact to top plate, to reset movement electronics then re-install battery or replace battery Check battery retaining spring in cap is present
Movement won't arm	Replace battery as above Turn winding Key Anti clockwise, if no click is heard then problem is mechanical, the movement should be returned to an approved STB service center for repair
LCD is faint or Number	Check Battery Condition, Electronic board grounding issue
Icons are malformed or missing	Circuit Board ground failure, the movement should be returned to an approved STB service center for repair
LCD Shuts off after a short period of time	This is normal, after approximately 10 seconds the display shuts off to save battery life
When putting back the key on movement, one cannot see the time that was initially set	This normal, this is how the internal software works, the remaining time or time that was set cannot be displayed once the display shuts off

Technical Support: +41 (0) 32 756 10 30 info@stbmicro.com



Notes:

- **The 114E Movement will show a battery icon on first time power up and when the battery is approaching a change requirement.**
- **When the battery level reaches the lowest operating level possible, the LCD will power down automatically and the movement will not arm, forcing an immediate battery change.**
- **If the movement detects no activity after 10 seconds, it will power down to maximize battery life**

WARRANTY

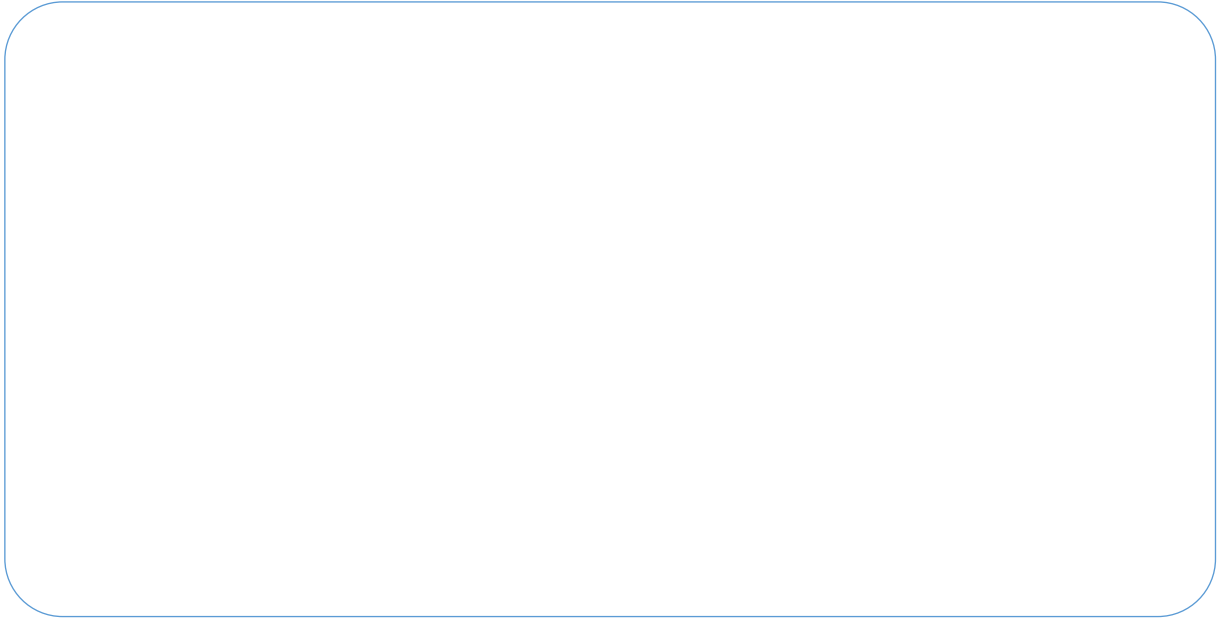
Unless otherwise specified, STB Microtechniques model 114, 117 or 104 mechanical Timelock movements are warranted for two years to be free from manufacturing defect.

Any movement which proves to be defective during this time period should be returned to the place of purchase, freight paid, with a complete explanation of the failure. At the option of the manufacturer, the movement will be repaired or replaced at no cost to the original purchaser.

Customer abuse, neglect or unauthorized modifications, service, repair, act of war, acts of nature are not covered by this warranty. Consequential damages which may arise through the use or misuse of these products shall not be borne by the manufacturer or his agents.

Except as noted herein, there is no other warranty expressed or implied. The manufacturer reserves the right to amend, alter, extend or deny warranty coverage at his option without prior notice.

NOTES



SERVICE

For more information and quality service, please contact your dealer listed below:

