

Mechanical Timelocks

Models 2400 and 1600

WARRANTY	
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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	
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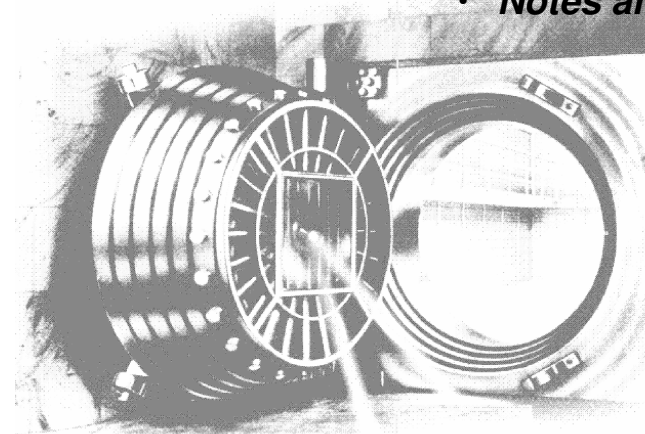
STB microtechniques mechanical Timelock movements are precision instruments which are highly accurate and dependable when given minimal care. The following are guidelines which will ensure years of trouble free service.

Model 114, 117 and 104 Timelock Movements are designed for use in industry accepted (U.L. approved) Timelock cases which utilize the original Yale screw mounting pattern. Installation in any container other than accepted Timelock cases exposes these movements to potential damage, may cause a lock-out of the secured container and voids the warranty.

Indicative operating temperature ranges are -10° to +30° Celsius (+14° to +86° Fahrenheit). Relative humidity should not exceed 85%.

There are no end-user serviceable components in STB model 114, 117 and 104 Timelock movements.

- **Introduction**
- **Movements setting**
- **Door Locking**
- **Notes and warranty**



STB microtechniques sa

sales@stbmicro.com www.stbmicro.com Tel: +41 32 756 10 30 Fax: +41 32 756 10 49

CH-2072 Saint-Blaise Switzerland

STB mechanical Timelocks (1600 or 2400 series) are fitted with Movements of the 117 or 104 series available with or without snap action, with or without reset feature.

SETTING THE MOVEMENTS

Determine the LOCKING hours. The locking hours is the difference in hours between the present time and the next opening. (Wind the Movement at the same time each day, as it will be easier to calculate the locking hours).

On 114 mechanical Movements, the maximum locking time is 144 or 168 hours. This is **six** or seven 24-hours days.

Wind each movement turning the key to the left until the index on the top of the dial indicates the required LOCKING hours. Each Movement must be wound for the same number of hours.

If Movements are wound for different times, the one that reaches zero first will open the lock.

114-1001 / 117-1001 / 104-1001 / 104-1003/ 104-1005

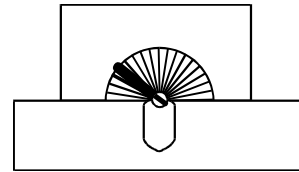
These Movements do not have any reset feature. The set time cannot be corrected. Wind the Movement carefully and slowly up to the required number of hours.

114-1130 / 117-1002 / 104-1002 / 104-1004 / 104-1006

These Movements have a reset feature. If it happens that a Movement is over-wound, it is possible to correct the time by turning the key **slowly and carefully** to the right until the right time is shown by the index. Any fast clockwise action of the key may damage the Movement.

In order to ensure a timely opening, it is necessary to adjust the position of the Movement index so that the trigger is completely disengaged when time is on zero.

On 1600-series Timelocks, turning the trigger screw at the bottom of the case can preferably make the adjustment. Turning clockwise gives more time, while counterclockwise gives less time. One click is about ten minutes.



The locking lever should be in the OPEN position at this time. The boltwork is not blocked as long as the locking lever is in the OPEN position and the vault may be locked and unlocked by its normal locking means as necessary.

TO LOCK THE VAULT AT THE END OF THE BUSINESS DAY

Make sure that all Movements are set properly and running. (Visually check the motion of balance wheel on the top of the Movement)

DO NOT LOCK the vault if **ONLY** one Movement is running.

1600 Series: Press the locking lever all the way down to the LOCK position. If the locking lever is not in the lock position, there is time set on the Movements, but the boltwork has not been blocked from being opened.

2400 Series: Press the locking button in all the way to the locked position