System description LG 66E-TL11 with time lock function
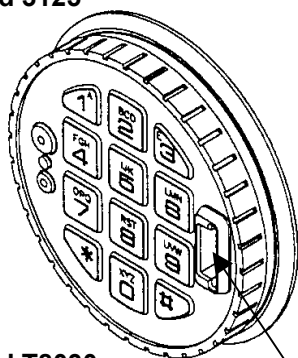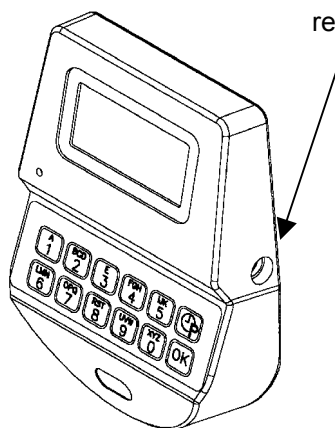
Keypad 3125

Keypad T8030

Protocol reader

This TL11-Software is available for the locks:

COMBOGARD	6040 -TL11	
SAFEGARD SWINGBOLT	6260 -TL11	V1.20
SAFEGARD OVERRIDE	6441M-TL11	

With entry path 3125 or T8030 with time delay display.

Multicode
1 Control code (ID # 0)
1 Manager   (ID # 1)
8 Users   (ID # 2-9)

Programms (per PC programmable)

- **Manager mode** = controls 9 opening codes, each code can open individually
- **Dual mode** = two valid codes must be entered, in order to open
- **Time Delay** = delay time from 1-99 min. Opening window 1-19 min.
- **Override mode** = user ID # 9 can open immediately (cash-carrier code)

Time lock functions (per PC programmable):
Weekly program with eligible time windows.
Holiday program and programmable open on normally closed days (f.i. open Sundays).
Immediate locking: unique time blocking adjustable by the manager (1-99 hrs.) or open extension. Or opening delay.

Protocol-record:
In the lock, the last 479 events with time, date, user# and action are stored and selected or printed by the PC.

Hold-up alarm:
In all programs a hold-up alarm can be programmed.

Remote blocking or -releases:
Switchable over the alarm box or locking device "SP" Box 334.

Connection at alarm facilities:
Possible over locking device "SP", inclusive 12V power supply out of the alarm system or Alarmbox PN 4002.

Power supply:
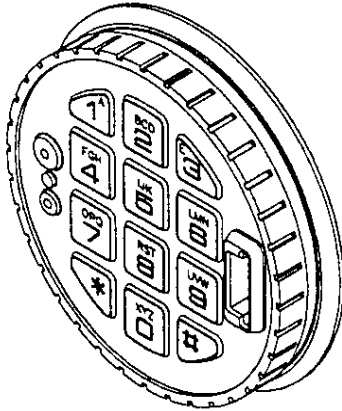9V alkaline batteries or with SP box12V from the alarm system.

Assembly:
The locks have standard mounting dimensions and are applicable in all positions and ready to be plugged in.

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OPERATING INSTRUCTIONS LG 66E-TL11   MULTICODE-TIME LOCK

Keypad 3125   **Locks: 6040-TL11, 6260-TL11, 6441M-TL11**

General

Each key push will be confirmed with a signal (tone and LED-flash) a correct code input results in a double signal, a false code results in a triple signal. A pause longer than 10 seconds deletes all past inputs and a restart must be made.
Factory code/manager 1 - 2 - 3 - 4 - 5 - 6 - 7.

Opening is not possible with activated time lock. The time lock with a 2 second-long tone will be indicated to the user.

Code input:

Type a numeric code with 7 digits or a word with 7 letters. (f.i. 1LA GARD = 1614182). User number + 6 letter word or 6 digit code.

Opening:

After the correct code input (double signal) the lock stays open for 3 seconds.
Opening takes place depending upon the used lock:
a) COMBOGARD 6040 = turn keyboard 90° to the RIGHT (clockwise direction) up to stop.
b) SWINGBOLT 6260 = turn door handle in "open" position.
c) OVERRIDE 6441M = turn dial to the RIGHT up to stop.
If the door is not opened during opening procedure (3 seconds), lock blocks automatically.

Dual mode-operation:
(must be programmed)

Two valid codes must be entered, in order to open.
The sequence is at choice; two of all valid codes will open.

Locking:

According to the used lock:
a) COMBOGARD 6040 = turn the keyboard back to stop (left)
b) SWINGBOLT 6260 = turn bolt work handle in „CLOSE" position
c) OVERRIDE 6441M = turn dial at least 1 turn to the left (no stop!)

I M P O R T A N T Always check if it is locked.

Manipulation locking:

After 4 incorrect attempts after one another the lock is blocked for 5 min., after that it blocks already after 2 incorrect attempts. During this locking time, the LED blinks every 10 seconds. A keystroke is rejected with a 3-time-signal.

Changing code:
Always with door opened

7 times '0', old code, 2 x new code user can always or readjust its code. Enter old code and hold last number until LED is on. Press"0" and Enter new code (double tone) and enter your new code again. (double tone).
In case of an incorrect code (3-time-signal) or an interval longer than 10 seconds during readjusting the old code remains. In case a new code is not accepted (3-time-signal), this code is too similar to an already existing code. Select new code.
Try new code several times!

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Hold-up alarm:
(must be programmed)

In case of extortion the (silent) alarm can be set off by entering last digit of combination(s) one number higher or one number lower. (f.i. your last digit is 9 the alarm will be set off if you enter 8 or 0). Lock functions don't change and are similar to your opening code.

Time delay:
(must be programmed)

After entering a correct code the time delay begins, recognizable by a LED-signal per second. At the end of the delay, the opening window begins, recognizable by a double signal and 2 LED-signals per second. As well as a sound-signal every 10 seconds. During the opening window, a valid code must be entered in order to open.
In dual mode, two valid codes must be entered in the opening window in order to open. If no valid code is entered during the opening window. Time Delay has to be activated again.

Power supply:

1. The battery box is located at the inside of the door for entry 3125 or for the entry 3750 the compartment is in the bottom. If the batteries run out, a series of sounds will be heard when opening.

> ***Use ALKALINE-batteries only!***

In order secure the time accuracy of the records, the battery change has to be carried out **within 1 minute**. In case battery change is forgotten, a 9V-ALKALINE-battery has to be held on the emergency power supply breaker points as long as code entry and opening took place. The codes remain stored without power supply.

2. In case there is a connection with an alarm system, the power supply may be used from there.

Security advice

Store code carefully. Don't use personal data (Telephone nr. Date of birth etc.) as your code.

LED+Sound signals:

1 x short	Input confirmation
2 x short	Correct code
3 x short	Wrong Code, no acceptance
6 x short	Remote locking, Control system disabled
2 x short, long tone (2 sec.)	Time lock active
2 x short, long tone (6 sec.)	Power cut, synchronise lock
LED every 10 sec. 1 flash	Penalty time after wrong code
LED 1 x per sec	Time delay active
LED 2 x per sec.	opening window
and tone every 10 sec.	Opening window - time activated
Series of tones, ca. 3 sec.	Battery low

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PROGRAMMING-MANAGER LG 66E -TL11 MULTICODE TIME-LOCK

Manager-functions	a) Changing manager-code (ID-Nr 1) Function „0" b) Install users (ID-Nr. 2-9) Function „1" c) Block users Function „2" d) Remove users Function „3" e) Immediate locking Function "4" f) Switching summer-/wintertime Function "5" g) Time synchronisation, time lock program Function "6" h) Data reading Function „7" i) Install delay time Function „9"
Activate manager code	Lock can be opened with factory code 1 - 2 - 3 - 4 - 5 - 6 - 7. To activate manager function, manager code or control code has to be enrolled.
a) Changing manager-code	Enter factory code (f.i. previous code) and keep last digit pushed in until LED stays on, press „0" and enter new code (double signal), to confirm the code enter the code again (double signal) LED extinguished. New code is active. When entering a wrong code or taking a pause longer then 10 seconds your previous code stays active.
b) Install users *Dual code see (*)*	Enter manager-code and keep last digit pushed in until LED stays on, press „1" (double signal), enter user-ID Nr. f.i. „2" (double signal), enter user code (double signal) to confirm, enter the code again. (double signal) LED extinguished. In case a new code is not accepted (3-time-signal), this code is too similar to an already existing code. Select new code.
c) Block users *Dual code see (*)*	Enter manager-code and keep last digit pushed in until LED stays on, press „2" (double signal), enter user-id-nr. f.i. „2" (single signal), LED extinguished. User (nr. 2) is blocked until he is admitted with function 1 and ID Nr. 2.
d) Remove users *Dual code see (*)*	Enter manager-code and keep last digit pushed in (double signal) until LED stays on, press „3", (double signal) and enter id-nr. f.i. „2" (single signal) LED extinguished. User (nr.2) is removed.
e) Immediate locking (***) *Dual code see (*)* *Or opening delay (**)*	(Has to be programmed in time lock program). Immediate locking enables manager to enter a single time lock from 1-99 hrs. Enter manager-code and keep last digit pushed in till repeated double signal (LED on), press "4" (function 4), (double signal) and enter 2 digits closing times (f.i.. "02" for 2 hours), (double signal) and confirm closing hours (enter "02" again). Thereupon the lock will be closed once for 2 hours.
f) Summer-/wintertime switch (***) *Dual code see (*)*	Switch has to carried out before the switch days (last Sunday March/October), otherwise there will be a time difference of 1 hour. Enter manager-code and keep the last digit pushed until LED is on, press "5" (function 5) and for wintertime "0" or summertime "1" (-/+ 1 hour).
g) Time synchronisation (***)	Time differences between the time lock program and PC-time (real time) will be synchronised according to PC-program "TL11-TIMELOCK / Sync only" and through manager code function "6". Recommended every 6 months, at latest after 4 years.

(*)   **Dual code** (4 eyes-principle) to program enter a valid user code <u>before</u> control code.
(**)   Is an onetime only immediate extension from the opening time and will be displayed as an immediate locking.
(***) Does not work when time lock active.

h) Data reading/Protocol Preparation on PC	For windows operating systems 95/98 or later. Program LG-View v3.30 is loaded and a Port COM with 1200 bauts, non parity, 8 databits, 1 stopbit is set. Activate LG VIEW v3.30 program and store corresponding port in CONFIGURATION. Activate summer-/wintertime =DST="Daylightsaving-time" and set switch dates (last Sunday in March and October) Differences in time on the PC-clock result in time differences in the registered events! The last 479 events are listed in the lock with date, time. and user nr. and can be read outside by the manager through an interface cable.
	Activate program „LG View v3.30" and click on the safe symbol „start acquisition". Put Interface (PN 42160) in PC-Port-Com and put connector in the key reader.
Read data/Protocol	Enter manager code and keep last digit pushed in (LED on) press key „7" (function 7). Data is transferred from the lock into the PC and visible as list. The list starts with „AUDIT send" and PC time.
	When a „?" becomes visible behind the sentence instead of „OK" the battery change took longer than 5 minutes. The times listed have to be adjusted with the currentless period or will be set at a time with corresponding date. The sequence of the events is unchanged.
	Select filter-functions (user nr., events or time) in „search"-field and activate filter with a right mouse-click. The filtered data are listed in red.
	With „SAFE" the data will be saved in the PC with a file-name ending on LOG. Open this file with „Load". With „print" the list will be printed. With „Infos" you'll find the lock- and user-status
	Enrolled = active Installed = active and not changed Disabled = disabled Deleted = deleted Blocked = blocked, not allowed in setup
	With "TIMELOCK" you'll find the time lock values.
i) Opening delay	Manager can program an opening delay with function „9". Delay Time from 1-99 minutes and the opening window from 1-19 minutes can be established in a 4-digits block, at which the first 2 digits are the Time Delay minutes and the other two digits are the opening window minutes. Example: 10 minutes delay time and 5 minutes opening window the 4-digits block is „1005". Enter manager code and keep last digit pushed in (LED on). Press „9" and time block „1005" (double tone), confirm „1005" (LED off) Changes in time value can only be made in „opening window".
Time delay-Override ⟹	If „Time Delay" (TD-Override) is set, user with id-no. 9 can open immediately. In case of dual code, code if ID-NO. 9 has to be entered as a second code. This "override"-code id-nr. 9 can only be installed in opening window.

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Activating the time lock:	After programming the lock, time lock functions can be activated by the PC. The <u>TL11 TIMELOCK</u> program will be loaded and activated on your PC. „SYNC Only"(time synchronising) has been pre programmed and is deactivated by clicking. Click time lock „Activ" and –if desired- „immediate Lock" as well as „Summer Time" if programming takes place in summer time.
Week program:	There are 31 time windows available for both week programs and holiday programs. Choose Weekday and put in hours of opening (from-until).
Holiday program: (Special events)	Enter date and closing time (from-until). Closing time of holidays can be one week at most. It is possible to program a holiday following the other immediately.
Transferring time lock data to the lock:	Click the safe icon on the PC, Interface in the PC-Com-Port and insert the connector in the key reader. Enter control code 8 and manager code 6. Control code: <u>0</u> (keep pushed), keep 5555555**5** pushed (LED on). Keep manager code 123456**7** pushed until double signal „7" shows (manager function 6). Data transfer starts and ends when „END" appears on the last line of the left data window.
Modifying the time lock:	Enter times in <u>TL11 TIMELOCK </u>program again, and transfer data to the lock. Time lock values will be overwritten by the new ones. Resetting is not necessary.
Time synchronising:	Time difference between the time lock program and the PC time (real time) can be synchronised by means of the PC program <u>TL11 TIMELOCK</u>. Activate „summer" and click when programming takes place in summertime. „SYNC Only" already has been activated. Enter manager code and a „6" (manager function „6"). It is recommendable to repeat this every 6 months, and after 4 years at the latest.

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TL11 Timelock

Menu   Configuration   About

Timelock
- [ ] Function #4
- [X] Immediate TimeLock
- [ ] Open extension

RTC Setup
- [X] Summer time
- [ ] Time sync only

Open   Save   Quit

Trasmission

Standard Week   Special Event

	Day	Time	Day	Time	Durata
	MON	09:00	MON	18:00	09:00
	TUE	09:30	TUE	18:00	08:30
	WED	10:00	WED	17:00	07:00
	THU	09:00	THU	17:30	08:30
→	FRI	11:00	FRI	16:00	05:00

	Date	Day	Time	Date	Day	Time	Durata	Type
→	28-05-03	WED	16:00	31-05-03	SAT	08:00	64:00	Close

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CONTROL CODE   LG 66E-TL11   MULTICODE-TIME LOCK

Control code-function:

Change code	= control function "0"
Read data/Protocol	= control function "7"
Cancel immediate locking	= control function "8" with manager function "4" (in locked condition)
Change summer/wintertime	= control function "8" with manager function "5" "
Time synchronisation	= control function "8" with manager function "6" "
Manager reset (set-up)	= control function "8" with manager function "8" "

Control code is 8-digits and <u>can't open.</u>

When programmed, control code is set to factory code (55555555) and has to be changed before functions are active.

Access to control code functions: Keep "0" pushed in until double signal sounds again and enter control code and keep <u>last digit pushed in until (LED on).</u> Enter function number

Change control code: (Function 0)
Keep "0" pushed in until double signal sounds again, enter old control code and keep last digit pushed in (LED on). Enter"0" (function "0" = change code) and enter new 8-digits code and confirm the new code (LED off). Control- and manager code are programmable after first code change. (enrolled)
Example: **0** 5555555**5** (PC-code);
     "0" (function 0);
     87654321 (f.i.);
     87654321.

Read data/Protocol: (Function 7)
In PC (Windows 95/98 or later) program <u>LG VIEW TL11</u> has to be loaded. A COM-Port (1200 bauts, non parity, 8 databits, 1 stopbit) has to be set.
Put interface (PN42160) in PC-Port and plug in the connector in the opening of the key reader of the input pad.
Open LG VIEW TL11 program on your PC and store port under "Configuration". Set summer-/winter time data (last Sunday march/October). Click on safe symbol (next option is STOP for data interruption).

Enter control code on keyboard of the lock and "7" (Function 7):
Example: **0**, 5555555**5**, 7.
File transfer begins - see counting left under - on PC display.
After file transfer the display has to start with <u>AUDIT SEND and actual time</u> (PC-time).

Filter functions:	By clicking on the file you can choose date-search, search events or search user. Click "Reset Filter" and the complete file appears sorted on time. The file can be saved with "SAVE" and be opened with "LOAD". Printing can be done with "Print". With <u>"Infos"</u> you'll find the accurate lock and user status: Enrolled = active Installed = active and not changed Disabled = disabled Deleted = deleted Blocked = blocked, not allowed in setup With "TIMELOCK" the time lock-values can be retrieved. In the lock 479 actions are stored and are not erasable.
Control code-multifunction 8:	These functions can only be carried out together with the manager code and the manager-functions (4 eyes-principles).
Cancel immediate locking:	Enter control code and function no. 8 enter manager code and function 4 and enter "00" (blocking hours) and confirm.
Change summer-/wintertime at time lock :	Enter control code and function no. 8 enter manager code and <u>function no. 5</u> press "0" for wintertime or "1" for summertime. (+ 1 hour)
Load or overwrite time lock program:	See operating instructions "PC-Programming-time lock". Lock has to be connected with PC. Enter control code und function no 8, enter manager code and <u>function no. 6.</u> Transfer of the time lock program into the lock starts when "0" is pressed on the keypad.
Manager reset:	Enter control code and function no. 8, enter manager code and <u>function Nr. 8</u>. Lock sends a long tone (0,5 sec) and is in SET-UP-mode (opens with "1") and has to be programmed again (see instructions PC-set-up TL11).
Long current interruption <u>(longer than 3 min.)</u>	If after entering opening code a 6 sec. long signal sounds the clock of the lock stands still due to a long current interruption. Lock is blocked. Synchronise lock time with control code "8" and manager code "6" with PC.

PC-PROGRAMMING   LG 66E-TL11   SET-UP

Factory mode: (Set-Up-Mode)	In factory mode lock opens with "1" und activates the alarm output. Lock can be mounted and be programmed later.
Lock programming:	On the PC (laptop) operating systems Windows 95/98 or later has to be installed. A COM-port (1200 bauts, non parity, 8 databits, 1 stopbit) has to be established. Load and call program <u>"TL11 setup"</u> Click "Configuration" and select PC COM-port. Click on desired lock programs in the respective boxes and activate users.

- Activated (installed) users have a code that can be changed or deleted after programming.
- Removed (deleted) users can be installed by the manager
- Non activated (blocked) users can not be installed by the manager afterwards
- In case of TD-Override User ID#9 ID has to be active.
- In dual-mode operation next to the manager at least one user has to be active.
- "Disable opening" click (remote control)
- SN click "Activ", so the original serial number will be registered.

Send PC-set-up to the lock:	Put interface cable (PN42160) in PC and insert the connector in the key reader (Software TL11, V1.01) click "Transmit" on the PC-display. <u>Push "0" on the locks keyboard.</u> Data that is transmitted into the lock appear at the display The transfer is complete, if END appears in the lowest line.
Change from factory mode:	Enter control code (PC-program 8x"5"). To carry out functions, control code has to be changed., (**0**5555555**5**) (LED on) "0" 87654321 (f.i.), 87654321 (LED out). New control code is "87654321".
Program change:	Reset before changing the lock program, than new set-up.
Manager-Reset:	Enter control code function 8. Enter manager code, function "8", which will be followed by a long signal (0,5 sec.). The lock is in <u>factory mode.</u>
Hardware-Reset:	In case the control code is unknown, a reset can be executed by means of the RESET-BOX (PN6066). Unplug battery from the lock. Push the "0" button for ca. 5 min. and plug the RESET-BOX in the BAT-connection, which is followed by a longer signal (0,5 sec). The Reset-Box requires a connected 9V-ALKALINE-battery. The lock is in FACTORY MODE. Disconnect Reset-Box and plug battery in the lock again. Lock opens with "1".
Lock status:	The lock indicates its status connecting the battery: Long signal (0,5 sec.): Lock in set up mode double signal: Lock has been programmed