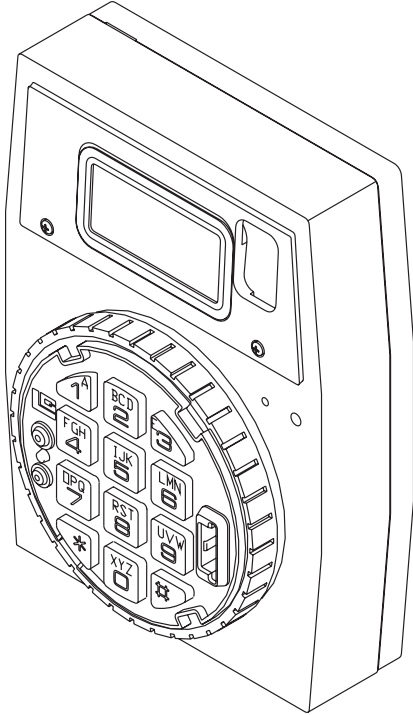


Hand Held Programmer

USER OPERATING INSTRUCTIONS



PROGRAMMABLE MODES
(ONLY one mode may be selected)

LCD Code Displayed

Manager Mode..... **0**

- Add/Delete User
- Enable/Disable User

Time Delay Override Mode **1**

(User has the ability to override the delay period)

- Add/Delete User
- Enable/Disable User

Dual Mode..... **2**

(Two combinations required to open the lock)

- Add User

PROGRAMMABLE FEATURES

(Silent Alarm and Time Delay maybe used with any Mode)

Time Delay..... **Example 01:01**

- Delay Period 1 – 99 minutes
- Open Period 1 – 19 minutes

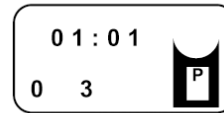
Silent Alarm (Alarm box 2789 or 4002 required) **3**

- Sends a Duress Signal to alarm box if the last number of the combination is entered using either one number higher or lower.

Remote Override **7**

(If Remote Override is selected, an Additional User cannot be added. ONLY the Single Mode is available.)

- Input signal to the Alarm Box will disable opening of the lock by a valid combination.



Sample Display - Figure 1

SETTING THE PROGRAMMER

(See Switch Diagram, Page 2)

When configuring the lock with the Hand Held Programmer (HHP), all settings must be added at the same time. If additional settings are added later, the current configuration will be overwritten.

Manager Mode

Allows the Manager to add/delete or enable/disable an additional User. Turn the Manager Mode switch (S3, 1) to the “ON” position. (Time Delay Override, Dual Mode and Remote Override must be in the “OFF” position.)

Time Delay Override

Allows the Manager to add/delete or enable/disable an additional User with the ability to override the delay period. Turn the Time Delay Override switch (S3, 2) to the “ON” position. (Manager Mode, Dual Mode and Remote Override must be in the “OFF” position.)

Dual Mode

Two combinations are required to open the lock. Before the lock can be opened the Additional User must be added, and cannot be disabled or deleted while in Dual Mode. Turn the Dual Mode switch (S3, 3) to the "ON" position. (Manager Mode, Time Delay Override, and Remote Override must be in the "OFF" position.)

Remote Override (Typically Not Used)

This is a special feature which requires either a 2789 Small Alarm/battery Box or a 4002 Large Alarm/Battery Box. This feature will disable the lock. Note: **NO** additional user can be added.

Turn the Remote Override switch (S6, 4) to the "ON" position. (Manager Mode, Time Delay Override, and Dual Mode must be in the "OFF" position.)

Time Delay

The delay period can be set from 1 to 99 minutes. To set turn switches to the ON position. Example: 5 minute delay - select 1 minute (S8,1) and 4 minutes (S8,3).

The open period can be set from 1 to 19 minutes. To set turn switches to the ON position. Example: 2 minute open - select 2 minutes (S5,2).

Silent Alarm

This is a special feature which requires either a 2789 Small Alarm/battery Box or a 4002 Large Alarm/Battery Box and will send a signal to an external alarm system. To active the silent alarm enter the DURESS CODE: one number above or below the last digit of the combination.

Example: if combination is 1-2-3-4-5-6 enter either 1-2-3-4-5-5 or 1-2-3-4-5-7.

SETTING SWITCHES

The ComboGard series locks are programmed by selecting the desired setting using the HHP. Turning the switches to the either the "ON" or "OFF" positions sets the lock configuration.

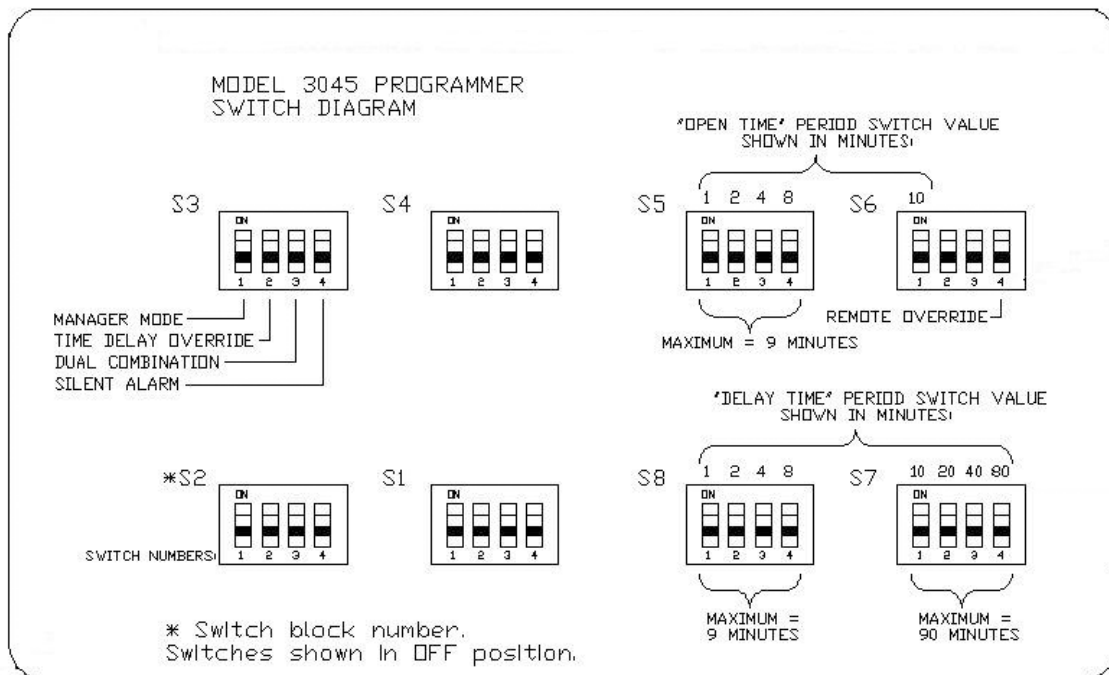


Figure 2

PROGRAMMING THE LOCK

- 1) Turn switch(es) to the ON position to select the features required.
 - Only Silent Alarm Signal and Time Delay settings may be combined with other features.
- 2) Connect programmer cable to the lock using the port marked ENT.
- 3) Enter the Manager code (factory default is 1-2-3-4-5-6)
- 4) To program the lock press and hold the [0] key.
- 5) The programmer transmits the configuration to the lock.
- 6) The programmer displays "donE" when programming is complete.
- 7) If a failure occurs while transferring then "FAIL" will be displayed.
- 8) If an invalid Manager code is entered, the programmer displays "Err." Four (4) consecutive invalid entries will initiate a 5-minute wrong try penalty.



Figure 3



Figure 4

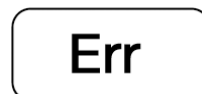


Figure 5

Example Programming Matrix:

Programming Option	Display	Switch Block S3				S6
		1	2	3	4	4
Manager Mode	0	ON	-	-	-	-
Manager Mode + Alarm	0 3	ON	-	-	ON	-
Time Delay Override	1	-	ON	-	-	-
TDO + Alarm	1 3	-	ON	-	ON	-
Dual Mode	2	-	-	ON	-	-
Dual Mode + Alarm	23	-	-	ON	ON	-
Single Mode		-	-	-	-	-
Single Mode + Alarm	3	-	-	-	ON	-
Remote Override	7	-	-	-	-	ON

Setting Time Delay and Open Window

The switches in Blocks S5, S6, S7 and S8 represent values in minutes. Time setting is calculated by adding up the values of all the switches in the "ON" position. Always select the largest possible value and subtract the remaining desired time. Then select the next largest value and subtract the remaining desired time, continuing until the correct time setting has been entered.

Time Delay Example:

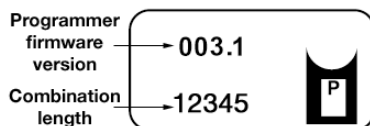
Example: 59 Minute Delay	Minutes Remaining	Largest Possible Value	Switch Block	Switch
	59	40	S7	3
	19	10	S7	1
	9	8	S8	4
	1	1	S8	1

Open Window Example:

Example: 15 Minute Open Window	Minutes Remaining	Largest Possible Value	Switch Block	Switch
	15	10	S6	1
	5	4	S5	3
	1	1	S5	1

Programmer Display:

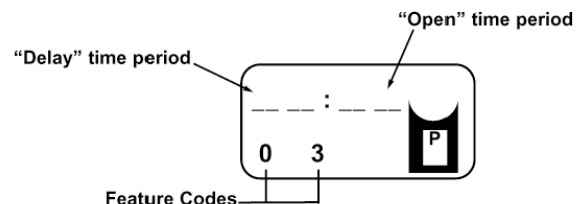
Initial LCD Display as the Manager Code is being entered:



LCD Messages

donE	Successful programming
Err	An invalid combination has been entered.
FAIL	Failed transmission
Pen	4 consecutive invalid combinations have been entered, and the HHP is in a 5-minute lockout.
Flashing Display	An invalid configuration has been selected. Press 9 to escape. Reset switches and restart the procedure.

LCD Display of Programming Configuration:



Programming Status

HHP connected to lock:

HHP not connected to lock:

Procedure

Enter Manager Code. Press "1" to display the lock's current settings. Display will flash the current lock settings.

Press "33" to display HHP settings.