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# EC-Series (EC-780, EC-781, EC-782, EC-784) Operating and Programming Instructions

Change the default master code to your own master code and write down the new code.  
**IT IS NOT POSSIBLE TO PROGRAM THE LOCK WITHOUT IT**

FUNCTION	MODE		KEY SEQUENCE	NOTES
	PUBLIC	PRIVATE		

### MASTER CODE FUNCTIONS

CHANGE MASTER CODE	✓	✓	[logo] [Old Master Code] <b>01</b> [New Master Code] [New Master Code]	MASTER CODE IS <b>EIGHT DIGITS</b> .
CHANGE USER CODE		✓	[logo] [Master Code] <b>02</b> [New User Code]	USER CODE IS <b>FOUR DIGITS</b> .
DELETE USER CODE	✓		[Master Code]	OPENS LOCK AND DELETES USER CODE
SET / CHANGE SUB-MASTER CODE	✓	✓	[logo] [Master Code] <b>03</b> [New Sub-Master Code]	SUB-MASTER CODE IS <b>SIX DIGITS</b>
DELETE SUB-MASTER CODE	✓	✓	[logo] [Master Code] <b>07</b>	DELETES SUB-MASTER CODE
OPEN LOCK	✓		[Master Code]	DELETES USER CODE IN PUBLIC MODE
CLOSE LOCK		AUTO		RE-LOCKS AUTOMATICALLY AFTER 4 SECONDS
SET <b>PUBLIC</b> MODE		✓	[logo] [Master Code] <b>08</b>	DELETES ALL EXISTING USER CODES
SET <b>PRIVATE</b> MODE	✓		[logo] [Master Code] <b>09</b> [New User Code]	DELETES ALL EXISTING USER CODES
SET TECHNICIAN MODE	✓		[logo] [Master Code] <b>10</b> [New Technician Code]	TECHNICIAN CODE IS <b>SIX DIGITS</b>
REMOVE TECHNICIAN MODE	✓		[logo] [Master Code] <b>11</b>	DELETES TECHNICIAN CODE
SET AUDIBLE BUTTONS ON	✓	✓	[logo] [Master Code] <b>12</b>	UNIT WILL BEEP ON EACH BUTTON PRESS
SET AUDIBLE BUTTONS OFF	✓	✓	[logo] [Master Code] <b>13</b>	UNIT WILL OPERATE SILENTLY
SET ALARM MODE ON & SET TIME		✓	[logo] [Master Code] <b>14</b> [Time Code]	SWITCHED VERSION ONLY. SEE NOTES ON TIMERS BELOW.
SET ALARM MODE OFF		✓	[logo] [Master Code] <b>15</b>	SWITCHED VERSION ONLY.
SET AUTO-TIMED UNLOCK ON & SET TIME	✓		[logo] [Master Code] <b>16</b> [Time Code]	SEE NOTES ON TIMERS BELOW.
SET AUTO-TIMED UNLOCK OFF	✓		[logo] [Master Code] <b>17</b>	UNIT WILL NO LONGER OPEN AUTOMATICALLY
SET COIN LOCK MODE ON	✓		[logo] [Master Code] <b>18</b>	SWITCHED VERSION ONLY.
SET COIN LOCK MODE OFF	✓		[logo] [Master Code] <b>19</b>	SWITCHED VERSION ONLY.
SET AUTO-TIMED CODE CANCEL ON & SET TIME	✓		[logo] [Master Code] <b>26</b> [Time Code]	DISABLES USER CODE AFTER SET TIME - SEE NOTES ON TIMERS.
SET AUTO-TIMED CODE CANCEL OFF	✓		[logo] [Master Code] <b>27</b>	UNIT WILL NO LONGER CANCEL USER CODE

### SUB-MASTER CODE FUNCTIONS

CHANGE USER CODE		✓	[logo] [Sub-Master Code] <b>02</b> [New User Code]	USER CODE IS <b>FOUR DIGITS</b> .
CHANGE SUB MASTER CODE	✓	✓	[logo] [Sub-Master Code] <b>03</b> [New Sub-Master Code]	SUB-MASTER CODE IS <b>SIX DIGITS</b> .
DELETE USER CODE	✓		[Sub-Master Code]	OPENS LOCK AND DELETES USER CODE
OPEN LOCK	✓	✓	[Sub-Master Code]	DELETES USER CODE IN PUBLIC MODE
CLOSE LOCK		AUTO		RE-LOCKS AUTOMATICALLY AFTER 4 SECONDS

### USER CODE FUNCTIONS

CHANGE USER CODE		✓	[logo] [Old User Code] <b>02</b> [New User Code] [New User Code]	USER CODE IS <b>FOUR DIGITS</b> .
OPEN LOCK	✓	✓	[User Code]	
CLOSE LOCK	✓		[User Code]	WHEN <b>SINGLE</b> USER CODE ENTRY MODE IS SET
CLOSE LOCK	✓		[User Code] [User Code]	WHEN <b>DOUBLE</b> USER CODE ENTRY MODE IS SET
CLOSE LOCK		AUTO		RE-LOCKS AUTOMATICALLY AFTER 4 SECONDS

### TECHNICIAN CODE FUNCTIONS

OPEN LOCK	✓		[Technician Code]	DOES NOT DELETE USER CODE
CLOSE LOCK		AUTO		RE-LOCKS AUTOMATICALLY AFTER 4 SECONDS

### FUNCTIONS AVAILABLE TO ALL CODES

BATTERY CHECK	✓	✓	[logo] [logo]	REPLACE BATTERIES IF RED LIGHT SHOWS
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#### NOTES

ALL ACCEPTABLE BUTTON PRESSES ARE SIGNIFIED BY A GREEN LIGHT.

INCOMPLETE FUNCTIONS "TIME-OUT" AFTER 4 SECONDS.

ERRORS AND "TIME-OUTS" ARE SIGNIFIED BY FLASHING RED LIGHT.

FOLLOWING AN ERROR OR "TIME-OUT", UNIT REVERTS TO PREVIOUS SETTINGS.

TIME CODES ARE 3-DIGIT CODES CORRESPONDING TO THE NUMBER OF MINUTES.

#### TIMER FUNCTIONS - TIME CODE EXAMPLES

TIME CODE **001** 1 MIN  
 TIME CODE **010** 10 MINS  
 TIME CODE **030** 1/2 HR  
 TIME CODE **060** 1 HR  
 TIME CODE **480** 8 HRS  
 TIME CODE **720** 12 HRS  
 TIME CODE **999** 16 HRS 39 MINS ( MAXIMUM )

ALL TIMES ARE APPROXIMATE +/- 10%

#### BATTERY CONDITION INDICATOR

FOUR GREEN LIGHTS - EXCELLENT  
 THREE GREEN LIGHTS - VERY GOOD  
 TWO GREEN LIGHTS - GOOD  
 ONE GREEN LIGHT - LOW

**RED LIGHT - CHANGE BATTERIES AS SOON AS POSSIBLE**

**FLASHING RED LIGHT PRIOR TO LOCK OR UNLOCK INDICATES LOW BATTERY VOLTAGE CHANGE BATTERIES AS SOON AS POSSIBLE**

#### MASTER CODE (8 digits)

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#### SUB-MASTER CODE (6 digits) (No Default)

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#### USER CODE (4 digits)

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**ENSURE THAT YOU CHANGE THE DEFAULT MASTER CODE TO YOUR OWN MASTER CODE AND KEEP A SAFE RECORD  
 IT IS NOT POSSIBLE TO PROGRAM THE LOCK WITHOUT IT**