



Tel: 1-800-622-5625

Mounting Instructions Models ESS-341X-AA-200, ESS-261X-AA, FSM-261X-AA

Drill mounting holes using template provided

Connect keypad using wiring detail on reverse of unit

For 12VDC inductive loads such as electric strikes and electromagnetic locks, the enclosed 12VDC varistor must be connected in parallel with the load, at the load terminals and not at the keypad. Ensure power supply is of correct rating, taking into account the current requirements of the locking items and accessories.

WIRING DESCRIPTION

Table with 3 columns: ROW, WIRE, and DESCRIPTION. Includes connections for 12V-24V AC/DC Power Supply, Ground, Common, N.O. C.O. Form C, Contact 2 Amp, Dry contact for Door Strike, N.C., and REMOTE OPENING DOOR (DRY CONTACT ONLY).

ACTIVATION

Table with 2 columns: LED signaling explanation and Programming Mode. Includes GREEN LED (Door Strike activated), RED LED (Normal Operation: 3 sec. ON = Wrong Code Entry, Slow flashing = Wrong code entry 3 times), and Programming Mode (Fast flashing = Programming different functions, Slow flashing = programming stand-by, Very Fast flashing = Erasing All user codes).



(on the keypad) = ES (in the instructions)

TESTING THE UNIT

Enter the master code (1 2 3 4 ES). The Door Relay changes its contacts for 5 sec. The Green LED will light up for 5 sec. Repeat this step 2,3 times. The master code is wrongly typed in, the Red LED lights up for 3 sec. re-enter the Code as soon as the LED goes OFF.

IMPORTANT: CHANGE THE FACTORY SET MASTER CODE WHEN YOU PROGRAM YOUR UNIT FOR USE. THERE IS NO WAY TO RECOVER THE NEW MASTER CODE IF IT IS LOST OR FORGOTTEN. THE UNIT CAN BE RESET TO FACTORY PRESETS AND CUSTOMISED AGAIN.

Initialization

Apply power to the keypad. The keypad's buzzer will sound briefly, the red LED will illuminate briefly. Initialization is now complete, with a default master code of 1-2-3-4 and a 5-second door opening time.

Programming the keypad

Enter \*\* 1-2-3-4 \*\*. The keypad enters programming mode, the red LED flashes. If no further information is added, the unit will revert to normal operation after a 12 second delay. To exit programming press ES.

There are eight programming options:

- 1. Set new master code
2. Set new user code
3. Erase a user code
4. Erase all user codes
5. Set door opening time (1-99s)
6. Set door output to latch mode
7. Set remote opening time (1-99s)
8. Set remote to latch mode

To set new master code

Enter \*\* 1-2-3-4 \*\*. The keypad enters programming mode, the red LED flashes. Enter 2. The red LED illuminates for 2 seconds and then flashes. Enter 0-0-0 ES. The red LED illuminates for 2 seconds and then flashes. Enter new 4-8 digit code. This is the new master code, record the number and keep it safe. Enter ES. The red LED illuminates for 2 seconds and then flashes. Re-enter the new master code. The red LED illuminates for 2 seconds and then flashes. Enter ES. The red LED illuminates for 2 seconds and then flashes. Enter ES. To exit programming mode.

To set a new master code of 112233. Enter \*\*1-2-3-4 \*\* 2 000ES 112233ES 112233ES ES

To set a new user code

Prior to inputting user codes, complete the code record sheet at the end of this manual.

Enter \*\*master code \*\*. The keypad enters programming mode, the red LED flashes. Enter 2. The red LED illuminates for 2 seconds and then flashes. Enter address of new user code. i.e. 001 (001-200 accepted). Enter ES. The red LED illuminates for 2 seconds and then flashes. Enter new 4-8 digit user code. This is the new master code, record the number and keep it safe. Enter ES. The red LED illuminates for 2 seconds and then flashes. Re-enter the new 4-8 digit user code. The red LED illuminates for 2 seconds and then flashes. Enter ES. The new code is added, to add new codes continue from second step, changing the address each time. When finished enter an additional ES to exit programming mode.

To set a new user code of 6626 at address 1. Enter \*\* master code \*\* 2 001ES 6626ES 6626ES ES

Enter \*\* master code \*\* 2 001ES 6626ES 6626ES 2 002ES 7788ES 7788ES ES

To remove an individual user code

Only the user codes are removable, the master code may be changed but not removed

Enter \*\* master code \*\*. The keypad enters programming mode, the red LED flashes. Enter 3. The red LED illuminates for 2 seconds and then flashes. Enter address of user code to be removed. i.e. 001 (001-200 accepted). Enter ES. The red LED illuminates for 2 seconds and then flashes, the code is removed. Enter address of user code to be removed. i.e. 001 (001-200 accepted). Enter ES. The red LED illuminates for 2 seconds and then flashes, the code is removed. Enter ES. Exit the programming mode.

To remove all user codes

Enter \*\* master code \*\*. The keypad enters programming mode, the red LED flashes. Enter 4. The red LED illuminates for 2 seconds and then flashes. Enter master code. The red LED illuminates for 2 seconds and then flashes. Enter ES. The red LED illuminates for 2 seconds and then flashes. All code addresses are removed. Enter ES. Exit the programming mode.

To set door opening time

Enter \*\* master code \*\*. The keypad enters programming mode, the red LED flashes. Enter 1. The red LED illuminates for 2 seconds and then flashes. Enter door open time. (01-99) 05 = 5 seconds. Enter ES. The red LED illuminates for 2 seconds and then flashes. Enter ES. Exit the programming mode.

To set the door open time to 10 seconds Enter \*\* master code \*\* 1 10 ES ES

To set door output to latch mode (On-Off)

Enter \*\* master code \*\*. The keypad enters programming mode, the red LED flashes. Enter 1. The red LED illuminates for 2 seconds and then flashes. Enter 0 0. The red LED illuminates for 2 seconds and then flashes. Enter ES. The relay is set to latching mode. Enter ES.

To set remote door opening time

Enter \*\* master code \*\*. The keypad enters programming mode, the red LED flashes. Enter 5. The red LED illuminates for 2 seconds and then flashes. Enter door opening time. (01-99) 05 = 5 seconds. The red LED illuminates for 2 seconds and then flashes. Enter ES. Exit the programming mode. Enter ES.

To set the remote door opening time to 10 seconds Enter \*\* master code \*\* 5 10 ES ES

To set remote to latch mode (On-Off)

Enter \*\* master code \*\*. The keypad enters programming mode, the red LED flashes. Enter 5. The red LED illuminates for 2 seconds and then flashes. Enter 0 0. The red LED illuminates for 2 seconds and then flashes. Enter ES. The relay is set to latching mode. Enter ES.

Operating the keypad

Enter user code ES. The relay operates and green LED illuminates.

If three incorrect attempts are made to enter a user code, the keypad will lock out for thirty seconds

Factory reset

In the event that programming administration is lost, or errors have been made in the programming, it is possible to set the keypad master code back to the factory default.

POWER UP THE UNIT

During the first 3 sec. the Red LED is ON. Enter \*\* 1234 ES during the 3 seconds. The unit will sound 3 times and the Data will be restored as follows

Master Code: 1234
User Code: 567890 (please erase this code at address 200)
Door opening time: 5 seconds

TROUBLE SHOOTING

- The keypad does not "respond" when activating the keys.
1. Make sure the electronic unit has been properly wired to the main and the power has not been cut-off.
The keypad "responds" but the door does not open.
1. Make sure the green LED is lit up.
2. If not the entered code has not been programmed yet. Please refer to "Programming".
3. Enter the Master Code and make sure the door opens correctly. If not check the wiring and the Strike's integrity.