



Tel: 1-800-622-5625

Models : ECS-341X-AA , ECS-261X-AA , ECM-261X-AA

WIRING

DESCRIPTION

Table with 2 columns: WIRING and DESCRIPTION. Rows include C.O. 2 Amp Dry Contact for Door Strike, 12V AC/DC Power Supply or Adapter, Input for Remote Door Strike opening via external dry contact, Door position sensor input (Dry Contact), Door ajar alarm (Dry contact N.O. 24V 0.1 Amp), Keypad tamper with alarm (Dry contact N.O 24V 0.1 Amp), and C.O. 2 Amp dry contact- External Buzzer.

SIMPLE 5 STEP INSTALLATION INSTRUCTIONS

- 1. Locate the appropriate place for the keypad and the T11 interface box.
2. Drill the mounting holes using the enclosed template or mount to an electrical back box or low voltage wiring device if appropriate.
3. Connect the Keypad to the T11 interface box using the supplied cable.
4. Connect the T11 according to the desired application. Use as a guide the enclosed electric diagram.
5. Turn on the power supply. The following will happen:
a) The keypad's buzzer will beep briefly.
b) The keypad's red LED will illuminate after one second.
6. When the above five steps are completed, the unit will be ready for use.



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

TESTING THE UNIT:

Enter the master code 1234 followed by ES. The green LED will light up, the door relay will energize for 5 seconds and the red led will go off. If the master code or the user code is incorrectly entered, the red LED will go off for three seconds. Re-enter the master code or user code as soon as the red LED goes on.

LED Explanation:

GREEN LED: Steady on = Door strike activated.
RED LED: Normal Operation. RED LED is continuously illuminated.
RED LED OFF for Three seconds = Wrong code entered.
LED *Slowly flashing = 30 seconds delay due to three consecutive wrong codes entered.
When door strike is open red LED is off.
When door strike is open in latch mode red LED is blinking.

Programming Mode:
Slow flashing = Programming stand-by, ready to accept new programming.
Fast flashing = Programming in progress, more input needed.
Very Fast flashing = Erasing all user codes.
*There is no penalty time imposed the first two times an incorrect code is entered, just a three-second warning when the red LED is off. On the third consecutive incorrect try, the red LED will flash at a slow rate for thirty seconds. During that time all functions are disabled. This is to slow down anyone who may be trying to gain entry by jessing a code.

SIMPLE 4 FUNCTION PROGRAMMING INSTRUCTIONS

- ? All programming is performed using the Keypad.
? There is a 15-second "Open Window" between programming steps, where you may proceed to program another function without re-entering the Master Code. The red LED is flashing slowly during this time.
? If you do not continue programming within the 15 seconds, the unit resets automatically.
? Program functions are as follows:

TO PROGRAM:

When programming, you must wait while the red LED is off. Continue entering data when the red LED is blinking. The red LED turns off for two seconds between programming segments (after the Master Code is entered, after the function is entered, and after you complete a segment by ntering ES). Pause for the two seconds the red LED is off, as the unit is processing information and is not accepting new input. In the examples, the red LED will be off whenever there is a space between segments.

PROGRAMMING SUMMARY:

Table with 3 columns: Function, Description, and Code. Rows include: Function 1.a (To set door open time (1-99s)), Function 1.b (To set output to latch option), Function 2.a (To set new master code), Function 2.b (To set new user code), Function 3 (To remove a user code), and Function 4 (To remove all user codes).

1.A To set door open time

Enter **master code**
Enter 1
Enter door open time
Enter ES
Enter ES
The keypad enters programming mode, the red LED flashes
The red LED will go off for 2 seconds and then flashes (01-99) Ex. 05 = 5 seconds
The red LED will go off for 2 seconds and then flashes
For exit programming

1.B To set output relay to latching mode (On-Off)

Enter **master code**
Enter 1
Enter 00
Enter ES
Enter ES
The keypad enters programming mode, the red LED flashes
The red LED illuminates for 2 seconds and then flashes
The red LED illuminates for 2 seconds and then flashes
The relay is set to latching mode



enter **1234**
Enter 2
Enter 0 0 ES
Enter new 4-8 digit code
Enter ES
Re-enter the new master code
Enter ES
Enter ES

The keypad enters programming mode, the red LED flashes
The red LED will go off for 2 seconds and then flashes
The red LED will go off for 2 seconds and then flashes
This is the new master code, record the number and keep it safe
The red LED will go off for 2 seconds and then flashes
The red LED will go off for 2 seconds and then flashes
To exit programming mode

2.B

To set a new user code

Enter **master code**
Enter 2
Enter address of new user code
Enter ES
Enter new 4-8 digit user code
Enter ES
Re-enter the new 4-8 digit user code
Enter ES
Re-Enter 2 to set the next code or ES to EXIT

The keypad enters programming mode, the red LED flashes
The red LED will go off for 2 seconds and then flashes
i.e. 001 (001-200 accepted)
The red LED will go off for 2 seconds and then flashes
The red LED will go off for 2 seconds and then flashes
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.

3

To remove an individual user code

Only the user codes addresses are removable, the master code may be changed but not removed
Enter **master code**
Enter 3
Enter user code to be removed
Enter ES
Re-Enter 3 to remove next code or ES to EXIT

The keypad enters programming mode, the red LED flashes
The red LED will go off for 2 seconds and then flashes
The red LED will light for two seconds (to acknowledge the entry) then it will begin to blink slow. The code is removed. To remove other codes continue from second step.

4

To remove all user codes

Enter **master code**
Enter 4
Enter master code
Enter ES
Enter ES
Re-Enter 3 to remove next code or ES to EXIT

The keypad enters programming mode, the red LED flashes
The red LED will go off for 2 seconds and then flashes
The red LED illuminates for 2 seconds and then flashes for 35 sec. All code addresses are removed to exit programming

TO PROGRAM THE RELAY FOR A TIMED FUNCTIONING PLEASE PERFORM PROCEDURE 5.

Operating the keypad

Enter user code ES
If three incorrect attempts are made to enter a user code, the keypad will lock out for thirty seconds
The relay operates and green LED illuminates

Data reset

In the event that programming administration is lost, or errors have been made in the programming, it is possible to erase all programming and set the keypad back to the following settings:
Master code 1-2-3-4
User code 5-6-7-8-9-0
Door open time 5 sec

Press the reset button (S1) in the INTERFACE box
Enter 1-2-3-4 ES
Press the reset button (S1) again (during the 10 sec)

The red LED illuminates for 10 seconds
The red LED illuminates for 10 seconds and a continuous tone is heard.
Be sure to remove user code 5-6-7-8-9-0

SYSTEM SPECIFICATIONS

- ? Mounting: Single Gang Surface 3x4; Slim Surface 2x6; Slim Mortise 2x6.
? 12 V AC/DC operation.
? 200 User codes, 1 Master code.
? Factory default: Master code 1234 (Door unlock time 5 seconds.)
? Over 100 million possible user codes with 4 to 8-digit code combinations.
? On board Form C, dual 2 amp relay (inductive load).
? Thirty second keypad lockout on third consecutive error.
? Non-volatile EEPROM memory.
? Easy keypad programming.
? Door Ajar alarm activates when door is left open or forced entry.
? Remote door opening. When activated opens the door according to the programmed time.
? We recommend a 3-amp power supply to power the strike.

TROUBLE SHOOTING

Problem: The keypad does not respond when pressing the keys.
Check: Make sure the electronic unit has been properly wired to the power supply and the power has not been turned off.

Problem: The keypad responds but the door does not open.
Check: Make sure the green LED is lit. If not, the code that was entered has not been programmed yet. Please refer to "Programming."
Check: Enter the Master Code and make sure the door opens correctly. If not, check the wiring and the strike's integrity.

Problem: A User Code was deleted but it still works.
Check: There was more than one user with the same code.
(There should be only one user with any particular User Code. For instance, let's say that User 2 and User 4 both had a User Code of 8888. When User 4 leaves the company and his User Code is deleted using Function 3, it is really the code for User 2 that is deleted (the first 8888 that the program comes across) and the code for User 4 is still in. That is why you should never let a user select the code to be used. All codes should be assigned. Otherwise, if a user selected 5678 as a code it may already be in use.)

Problem: Lock repeatedly activates
Check: Make sure that the remote function button is not activated and wires are properly connected.

Problem: Door is closed and doors Ajar Alarm signals "door open".
Check: Make sure the door sensor is properly functioning.

Tip: Don't forget, when programming, you must wait when the red LED is on. Continue entering data when the red LED is blinking.

Tip: It might be easier to do all your programming functions before you change the Master Code from 1234.

IMPORTANT - CHANGE THE FACTORY-SET MASTER CODE (1234) USING FUNCTION 2 WHEN YOU PROGRAM YOUR UNIT FOR USE. PLEASE KEEP A COPY OF YOUR CODE IN A SECURE AND ACCESSIBLE LOCATION.

Tip: Make sure you Erase All User Codes (Function 4) to clear out any factory-set default user codes or any other user codes.

Factory Reset Function. Press the RESET button to be found inside the interface box (S1). The red LED will go off for 3 seconds and then continue to blink slowly. Enter 1 ES, the red LED will go off for 3 seconds, continue to blink slowly and a continuous tone will be heard. Press the reset again. Unit will delay for 6 seconds and LED will go