

6.2 Tuning In the MC521 Pro Controller Using the Controller Pushbuttons

NOTE

1. To change the INDEX:
Hold ENTER switch while pressing UP or DOWN to get to desired INDEX
2. To change a VALUE:
Unlock the keypad by setting index 99 to value 00.
After the desired INDEX is selected, release ENTER and *within 2.5 seconds* press UP or DOWN to get the desired VALUE. (If the UP or DOWN buttons are not pressed within 2.5 seconds of releasing the ENTER button, the display will change from the VALUE back to the STATUS.)
3. To display STATUS CODE:
A few seconds after the VALUE is selected, the display indicates the STATUS CODE
4. To show the INDEX and VALUE
To show the INDEX, hold ENTER. Once ENTER is released the display will show the VALUE of that INDEX.
5. Read the descriptions entirely before performing each step. Check the INDEX and VALUE after each step.
6. To store changes in permanent memory:
Cycling door open one time will store changes.
7. To lock keypad:
Lock keypad by setting index 99 to value 01 or by turning power OFF and then ON.
8. To access the door cycle counter function:
 - a. Ensure that the keypad is locked by setting index 99 to 01.
 - b. Ensure that the index is set to any index but 99.
 - c. Press the up or down key to access the door cycle counter.
 - d. The display will show “dc” followed by four pairs of digits, followed by “dc”. For example, if the door count was 12345678 cycles the controller will display “dc” “12” “34” “56” “78” “dc”.

Table 1. FIS Procedure using Pushbuttons

Step	Description	Display		
		Index	Value	Status Code
1	Set Function switch to “Closed.”			
2	Turn power on.			
3	Unlock keypad.	99	00	00
4	Restart FIS.	96	01	A0
5	Select door type: Slide, <u>01</u> single motor or <u>02</u> dual motor.	00	01 (single) 02 (dual)	A0

Step	Description	Display		
		Index	Value	Status Code
6	Select handing: <u>00</u> Right or <u>01</u> Left. Manually open door and note rotation of belt pulleys. If counterclockwise (CCW) use right hand during FIS. If clockwise (CW) use left hand during FIS.	01	00 (right) 01 (left)	A0
7	Accept FIS. Display will go to A1.	03	01	A1
8	Make changes: Function switch <u>01</u> Rocker or <u>00</u> Rotary. The INDEX will start at 00.	11	01 rocker 00 rotary	A1
9	Select Lock Logic: Lock Logic, 00 = Fail Safe; 01 = Fail Secure. Note: For locks with circuit board, set to 01 Fail Secure. For locks with no circuit board, set to Fail Safe or Fail Secure.	07	00 Fail Safe 01 Fail Secure	
10	WARNING: During this sequence the sensors are inactive and the door has no SAFETY. To stop the door, <u>turn power off</u> or <u>put the doors into breakout</u>. Function switch: Switch to OPEN, momentarily, then CLOSED/LOCKED. Wait for the learn sequence to end. Display will show <u>A2</u> when finished.			A2
11	Lock keypad.	99	01	00
12	Final Tune in.			

Table 2. Index List

Index	Description
00-89	Settings Values, see Table 3.
90-95	Reserved.
96	Command – Restart FIS. Entering “01” will cause FIS to restart.
97	Firmware – Entering “01” will display “FE” followed by two pairs of digits followed by “FE”. For example, if the firmware was 0609 the controller will display “FE” “06” “09” “FE”.
98	Command – Restart auto configuration. Entering “01” will cause auto configuration.
99	Command – Lock. Entering “01” will lock all value inputs except this index. This prevents inadvertent changes to input values. Values may be unlocked by entering “00” in this index.