HOW TO

Program EA6 – H5 board

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1 Introduction

These instructions are to be used if you need to program a new lift unit or if you have to re-program an existing unit with the H5 board.

2 How to program EA6 – H5 board:

Connect your computer to the PLC with a USB to mini USB-cable

Double click on the **WindLDR V8** icon on your Computer

Press **Online** at the top right of the screen. Then the top screen will change to the icons below.
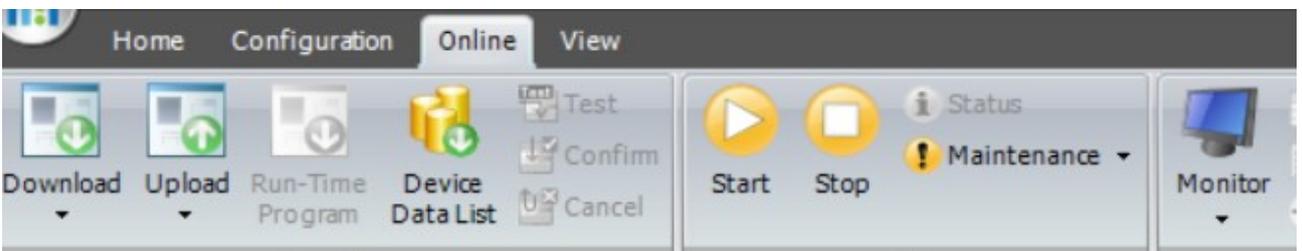
Press **Upload**, tick off FC6A plus, and then OK in the upload window.
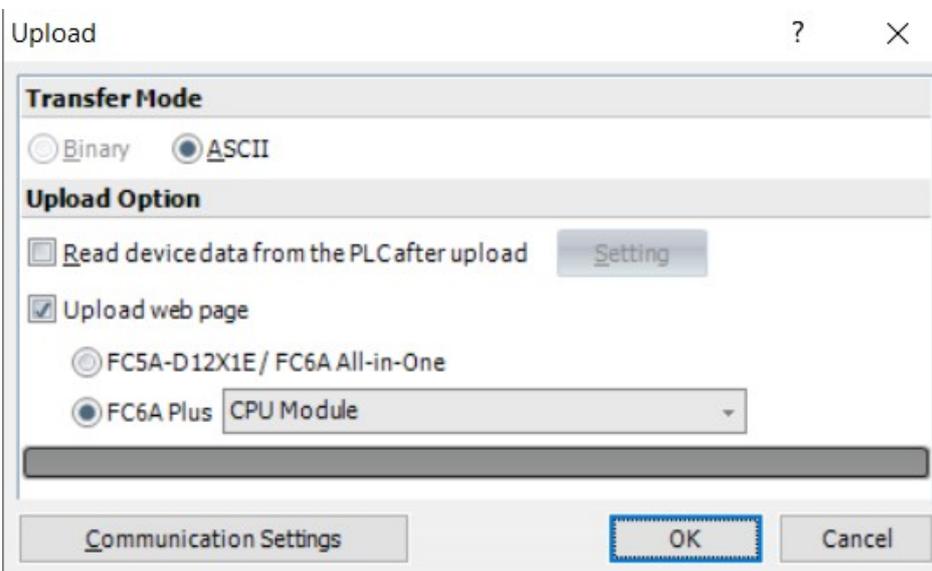
If you cannot find FC6A Plus then press Communication Settings and then press Automatic Detection.
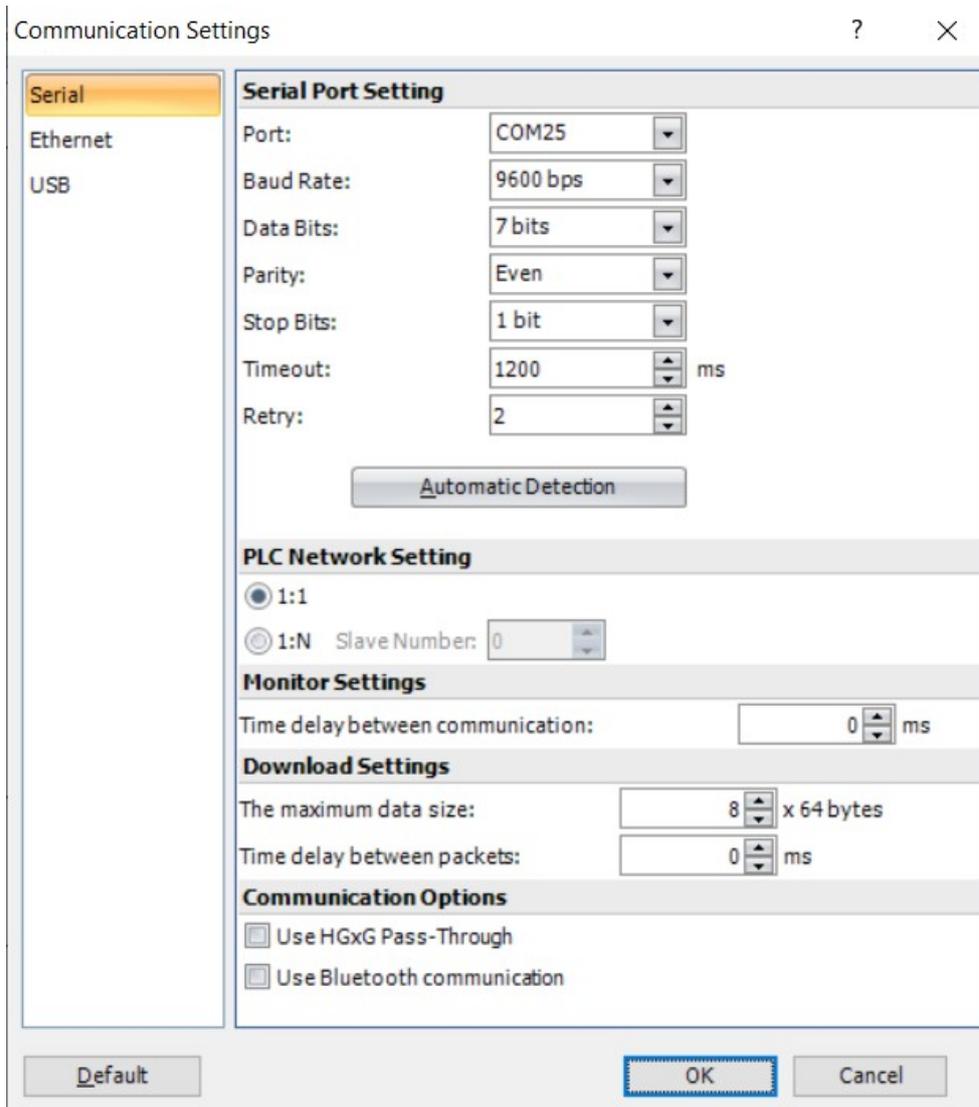
When the program is uploaded press **Monitor**.

Then a new window will appear as below.
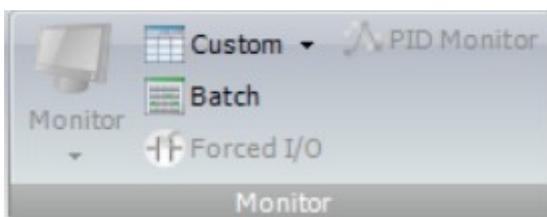
Press **Custom**.

In the new window, you can decide what you want to program.
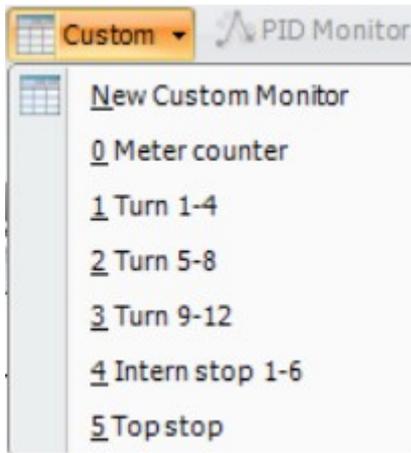
2.1 Programming a Turn:

Open custom box 1 by clicking on **1 Turn 1-4**.

Turn 1-4   ?   ×

Write	Close	Save

Device	Device Address	Monitor Type	Device Range	Current Value	Preset Value	Comment
M0200	M0200	BIN (B)	0	0		Turn 1 beginning
M0220	M0220	BIN (B)	0	0		Turn 1 ending
M0300	M0300	BIN (B)	0	0		Reset
D0005	D0005	DEC (W)	0	0		Turn 1 beginning
D0010	D0010	DEC (W)	0	0		Turn 1 ending
		DEC (W)	0			
M0201	M0201	BIN (B)	0	0		Turn 2 beginning
M0221	M0221	BIN (B)	0	0		Turn 2 ending
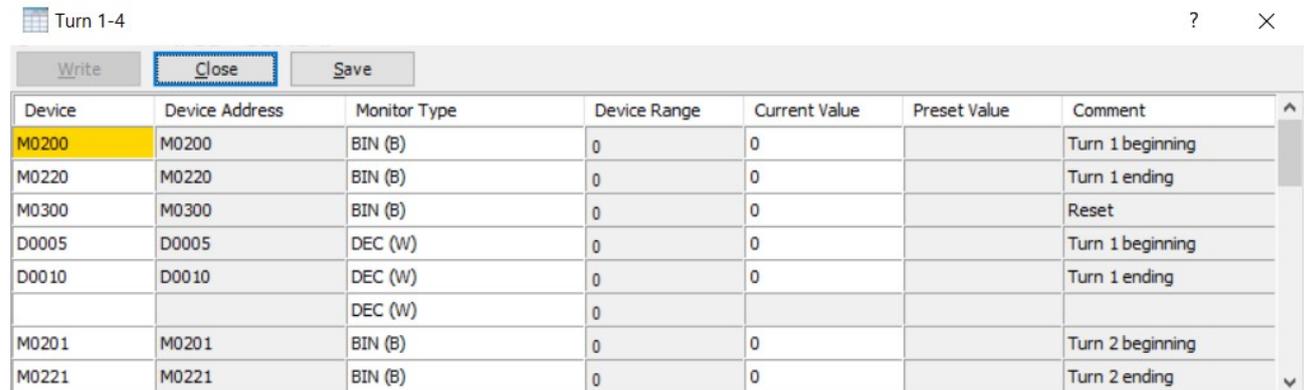
In the new window, you can program where the lift should slow down in the turns.

Drive the lift to the first turn and stop about 5cm before. When the lift is in this position you must type the number 1 and press enter in the yellow box shown below:

Device	Device Address	Monitor Type	Device Range	Current Value	Preset Value	Comment
M0200	M0200	BIN (B)	0	0		Turn 1 beginning

Now drive the lift around the turn and stop about 5cm after. When the lift is in position you must type the number 1 and press enter in the yellow box shown below:

Device	Device Address	Monitor Type	Device Range	Current Value	Preset Value	Comment
M0200	M0200	BIN (B)	0	0		Turn 1 beginning
M0220	M0220	BIN (B)	0	0		Turn 1 ending

Now you have programed the first turn and your screen should look like this.

| | Turn 1-4 | | | | | | ? ✕ |

Write | Close | Save

Device	Device Address	Monitor Type	Device Range	Current Value	Preset Value	Comment
M0200	M0200	BIN (B)	0	0		Turn 1 beginning
M0220	M0220	BIN (B)	0	0		Turn 1 ending
M0300	M0300	BIN (B)	0	0		Reset
D0005	D0005	DEC (W)	0	200		Turn 1 beginning
D0010	D0010	DEC (W)	0	300		Turn 1 ending
		DEC (W)	0			
M0201	M0201	BIN (B)	0	0		Turn 2 beginning
M0221	M0221	BIN (B)	0	0		Turn 2 ending

The value 200 and 300 in the window is just random numbers for showing where your values should be located.

If you have more than 4 turns you just open custom box **2 Turn 5-8** or **3 Turn 9-12**, and program them in the same way as box no. 1.

2.2 Programming an Intern stop:

Open custom box 4 by clicking on **4 Intern stop 1-6.**

| | Intern stop 1-6 | | | | | | ? ✕ |

Write | Close | Save

Device	Device Address	Monitor Type	Device Range	Current Value	Preset Value	Comment
M0240	M0240	BIN (B)	0	0		Intern stop 1
M0320	M0320	BIN (B)	0	0		Reset
D0001	D0001	DEC (W)	0	0		Intern stop 1
		DEC (W)	0			
M0241	M0241	DEC (W)	0	0		Intern stop 2
M0321	M0321	DEC (W)	0	0		Reset
D0002	D0002	DEC (W)	0	0		Intern stop 2
		DEC (W)	0			

In the new window, you can program where the lift should stop.

Drive the lift to the first stop. When the lift is in position you must type the number 1 and press enter in the yellow box shown below:

Device	Device Address	Monitor Type	Device Range	Current Value	Preset Value	Comment
M0240	M0240	BIN (B)	0	0		Intern stop 1

Now you have programmed the first intern stop and your screen should look like this.

Intern stop 1-6						? ✕
Write	Close	Save				

Device	Device Address	Monitor Type	Device Range	Current Value	Preset Value	Comment
M0240	M0240	BIN (B)	0	0		Intern stop 1
M0320	M0320	BIN (B)	0	0		Reset
D0001	D0001	DEC (W)	0	400		Intern stop 1
		DEC (W)	0			
M0241	M0241	DEC (W)	0	0		Intern stop 2
M0321	M0321	DEC (W)	0	0		Reset
D0002	D0002	DEC (W)	0	0		Intern stop 2
		DEC (W)	0			

The value 400 in the window is just a random number for showing where your value should be located.

In the same box, you can program up to 6 Intern stops.

2.3 Programming the Top stop:

Open custom box 5 by clicking on **5 Top stop.**

Top stop						? ✕
Write	Close	Save				

Device	Device Address	Monitor Type	Device Range	Current Value	Preset Value	Comment
M0250	M0250	BIN (B)	0	0		Top stop
M0330	M0330	BIN (B)	0	0		Reset
D0004	D0004	DEC (W)	0	0		Top stop
		DEC (W)	0			
		DEC (W)	0			
		DEC (W)	0			
		DEC (W)	0			
		DEC (W)	0			

In the window, you can program where the lift should stop at the top.

Drive the lift to the top stop. When the lift is in position type the number 1 and press enter in the yellow box shown below:

Device	Device Address	Monitor Type	Device Range	Current Value	Preset Value	Comment
M0250	M0250	BIN (B)	0	0		Top stop

Now you have programmed the top stop and your screen should look like this.

Device	Device Address	Monitor Type	Device Range	Current Value	Preset Value	Comment
M0250	M0250	BIN (B)	0	0		Top stop
M0330	M0330	BIN (B)	0	0		Reset
D0004	D0004	DEC (W)	0	500		Top stop
		DEC (W)	0			
		DEC (W)	0			
		DEC (W)	0			
		DEC (W)	0			
		DEC (W)	0			

The value 500 in the window is just a random number for showing where your value should be located.

2.4 Reset Turn, Intern stop and Top stop:

If you want to reset the programmed turn and stops, you can do it in the same box where it has been programmed.

In all the Custom boxes, you have a line called Reset. Type the number 1 and press enter in the yellow box shown below:

Device	Device Address	Monitor Type	Device Range	Current Value	Preset Value	Comment
M0200	M0200	BIN (B)	0	0		Turn 1 beginning
M0220	M0220	BIN (B)	0	0		Turn 1 ending
M0300	M0300	BIN (B)	0	0		Reset

2.5 Meter counter:

Here you can see how many meters the lift has been running. Look in the box Current Value.

Device	Device Address	Monitor Type	Device Range	Current Value	Preset Value	Comment
C046	C046	DEC (W)	0	21	0	Meter counter
		DEC (W)	0			
		DEC (W)	0			
		DEC (W)	0			
		DEC (W)	0			
		DEC (W)	0			
		DEC (W)	0			
		DEC (W)	0			