HMI (Human Machine Interface) System User Manual

March 2021

1. Screen's Definition :

Main Screen

1.1 Main screen glossary :

The main screen giving access the system when you press “LOCKED “ (#4) screen button.

1: Pump #1: Button “Auto”: choose if you want put in automatic mode or manual mode.

2: Pump #2: Button “Auto”: choose if you want put in automatic mode or manual mode.

3: Settings: Giving access for all system settings.

4: LOCKED: Security access button. Need to press for accessing HMI System.

5: SYSTEM OK: Define if the system is up and running.

6: EMERGENCY STOP: Press when you want to stop the system in emergency mode.

7: SCALE: Graphic scale.

8: SETPOINT: Setpoint setting that you determine in feet.

2. First step: Unlock your screen.

2.1: Need to press “LOCKED” function:

2.2: Press ‘1111’ (1) for unlock function and press “ENT” (2) :

2.3: Access to you HMI System:

After unlocking HMI, you see that the status of the HMI is “UNLOCKED” (1).

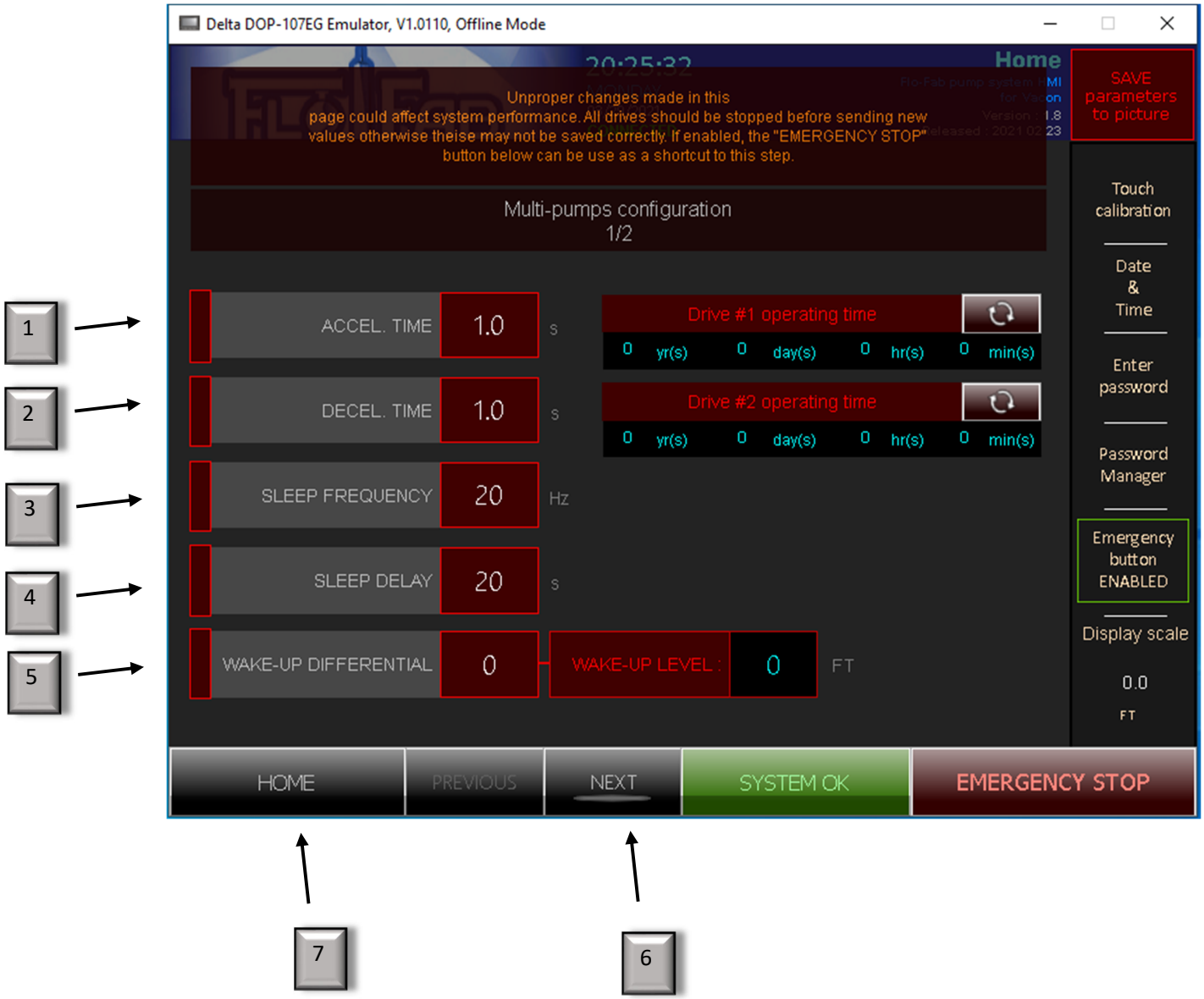
Now, it’s time to configure your system.

3. Configure you HMI System:

Go to settings (1):

1

3.1 Discovering Settings.



3.1 Settings definition.

1: ACCEL. TIME: put number of second that you need for accelation.

2: DECEL. TIME: put number of second that you need for deceleration.

3: SLEEP FREQUENCY: put number of Hertz for the sleep frequency.

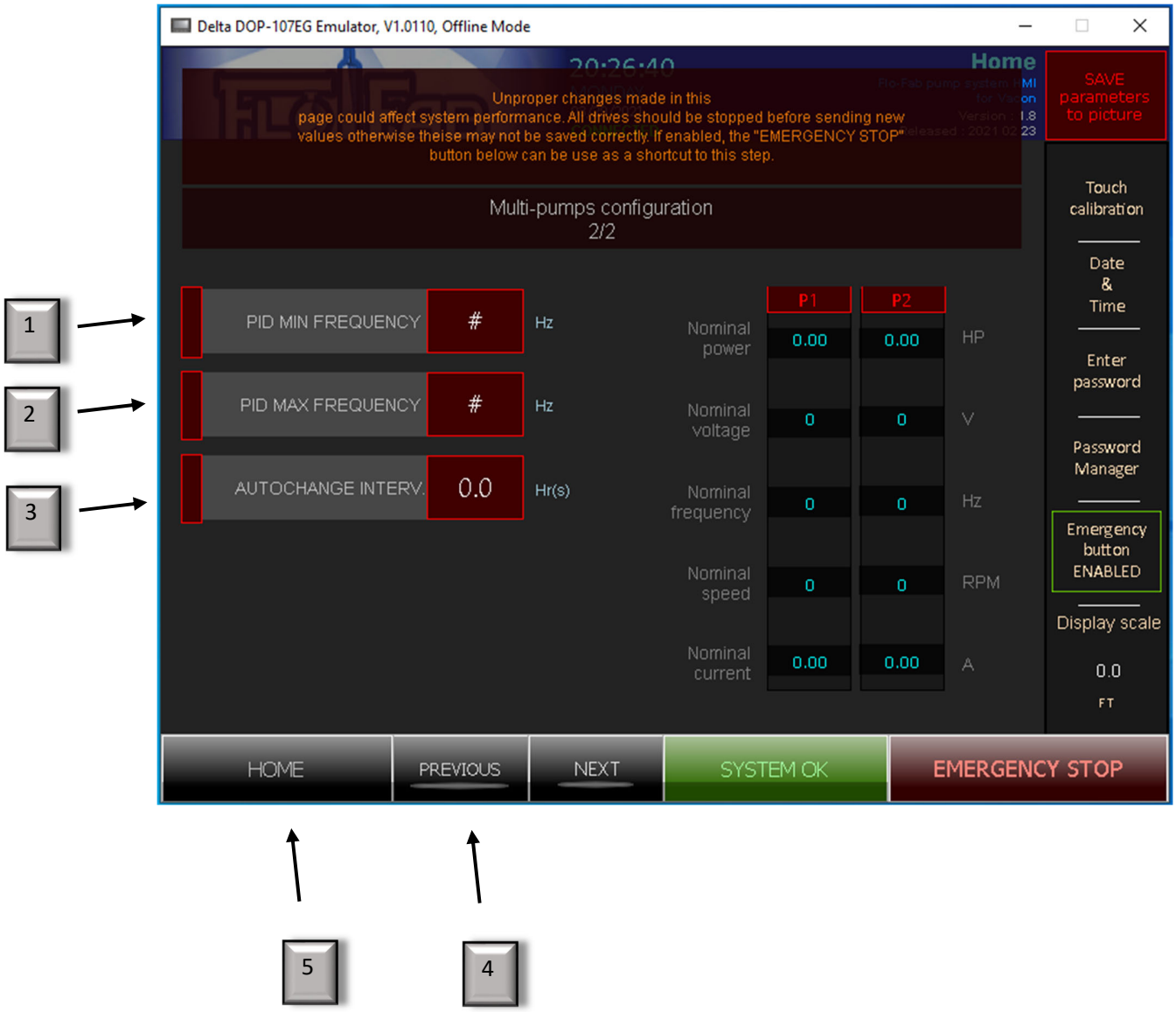
4: SLEEP DELAY: put number of second for sleep delay

5: WAKE-UP DIFFERENTIAL: put number of feet about differential.

6: After finishing enter first page of setting, click “NEXT”.

7: Return to home page.

3.3 Settings: second section.



3.4 Second section definition.

1: PID MIN FREQUENCY: Put the number of Hertz for minimum frequency.

2: PID MAX FREQUENCY: Put the number of Hertz for maximum frequency.

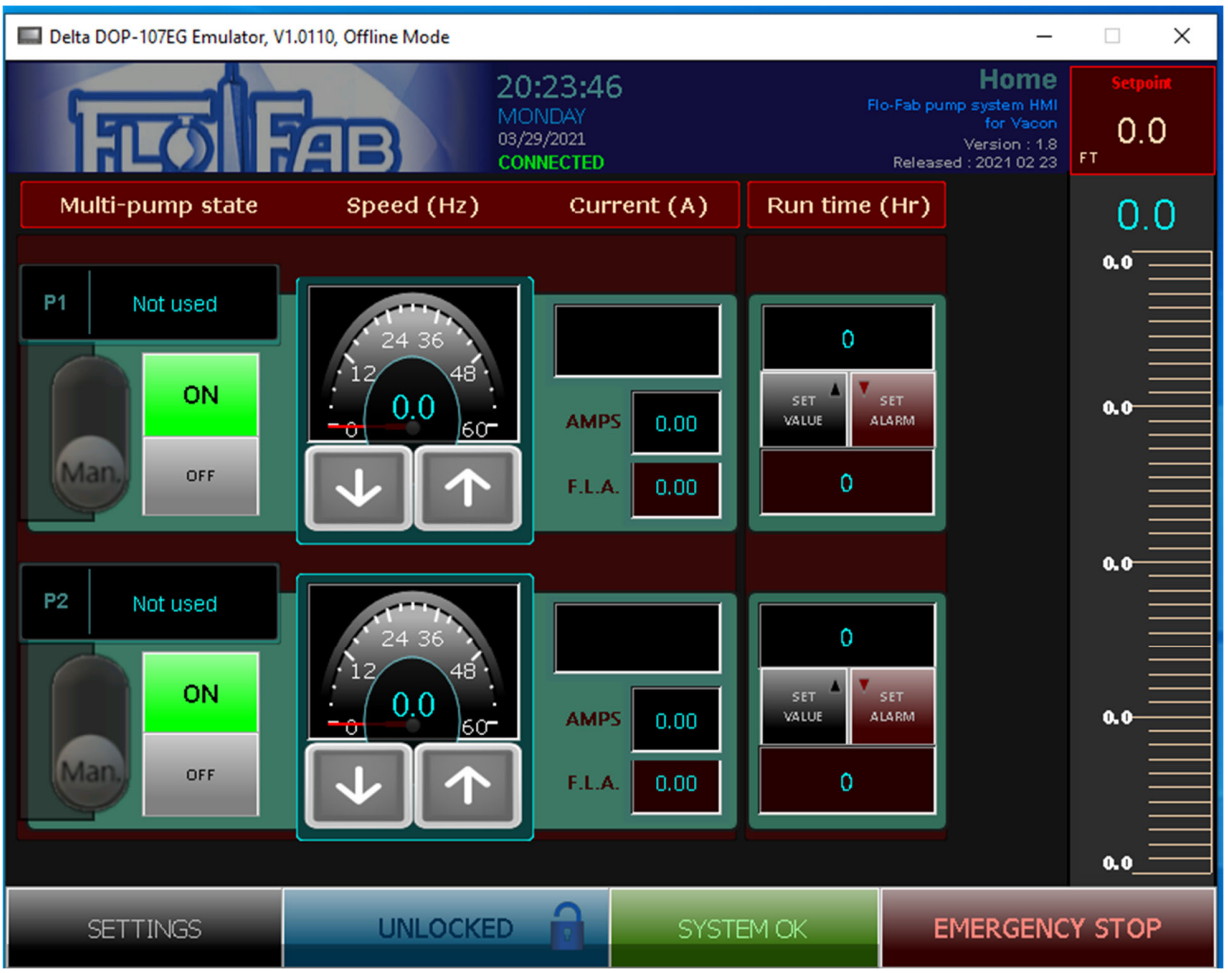
3: AUTOCHANGE INTERV.: Put number of hour and minute for auto-change interval.

4: You can click PREVIOUS if you want to go first page of settings.

5: You can click HOME to go home page.

4.0 Emergency Stop.

When you press Emergency Stop button (1), see next page the status:



1: Pump #1 turns OFF status and close the system.

2: Pump #2 turns OFF status and close the system.

3: Status of emergency turns to STOPPED.

For restarting system, click on STOPPED (3) and system will be restarting with the same settings.