



# PROGRAMMING A STOCK NEURON XT

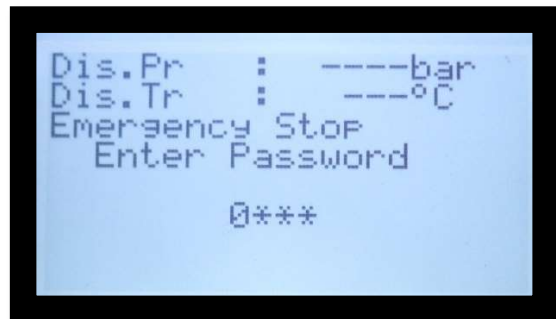
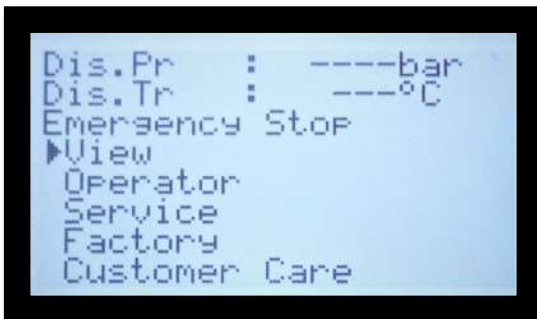


**Attention:** Please use proper protective gear when working in or around the electrical cabinet. Always follow your local electrical codes and standards.

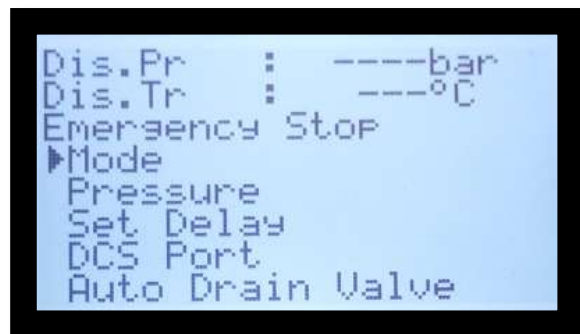
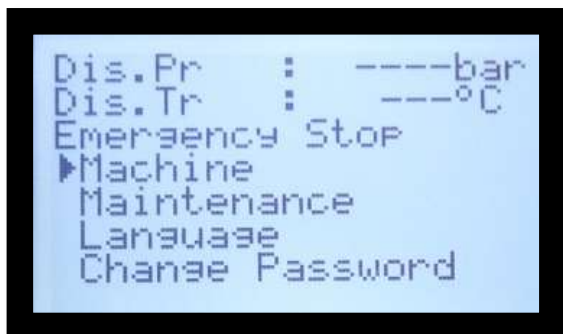
**1. Replace the old Neuron XT controller with the new replacement Neuron XT controller.** (Remove the 4 “flathead” screws holding the controller to the cabinet. Pull the controller out and then carefully remove the terminal connectors from the back of the controller. Install the new Neuron XT controller and reattach the terminal connectors and screws.)

**2. Apply power to the machine to turn the controller on.**

**3. Set up *MODE* settings.** From the factory, Neuron XT controllers come set to display Bar and Celsius measurements. To change these to standard measurements, press the enter button to bring up the main menu. Select **OPERATOR** menu and enter passcode **4545** and press enter.

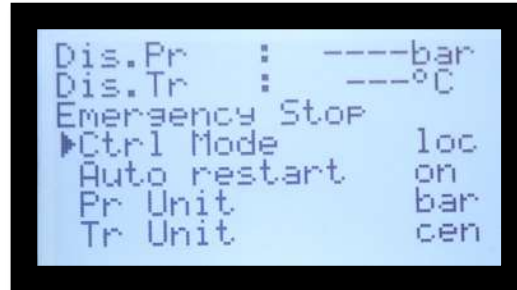


Then select ***MACHINE*** by pressing enter, and then select ***MODE*** and hit enter.



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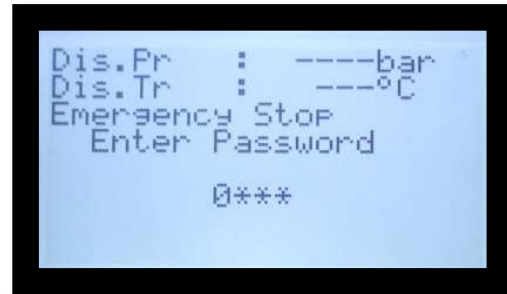
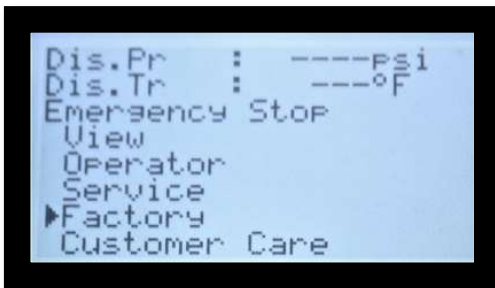
While you are in the *MODE* menu, go ahead and check all 4 of the parameters in this menu.



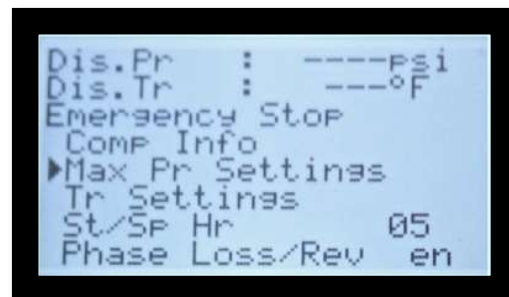
The first one is labeled **Control Mode**. Set this to LOC, unless you are using an external remote start switch (set to REM), or utilizing a Modbus connection (set to DCS). The second one is **AUTO RESTART**. If you desire the machine to start automatically after a power failure, make sure this is set to ON. The third parameter is **PRESSURE UNIT**. Select between BAR and PSI. The fourth parameter is **TEMPERATURE UNIT**. Select between Celsius and Fahrenheit.

#### 4. Set up the max pressure settings.

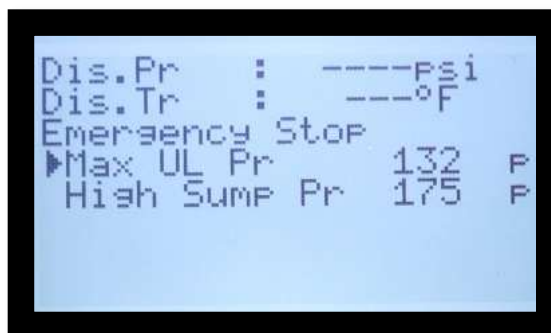
If you are still in the **OPERATOR** menu, press the reset/back button (orange button with circular arrow) until you are back to the main menu. Select **FACTORY** menu and enter passcode **2323** and hit enter.



Once in the **FACTORY** menu, select **MACHINE** and press enter. Then select **MAX PR SETTINGS** and hit enter.

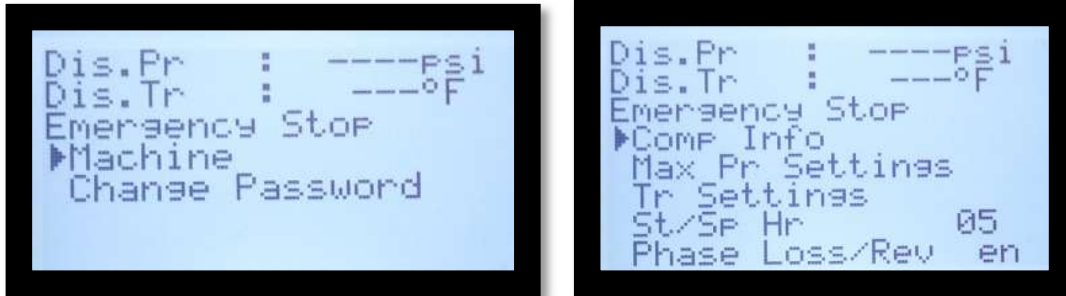


Select **MAX UL PR** by pressing enter. Set the max unload pressure to about 5-7 psi above the machine's rated pressure by using the up/down arrows. ( ie. 125 psi rated compressor, set at 132 psi.)

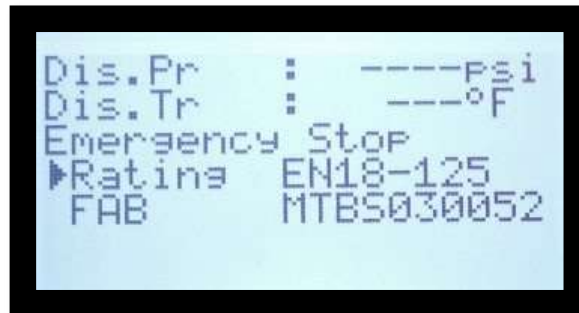


## 5. Set up compressor model/fab Info

Press the back/reset button to return to the **MACHINE** sub-menu of **FACTORY** menu.

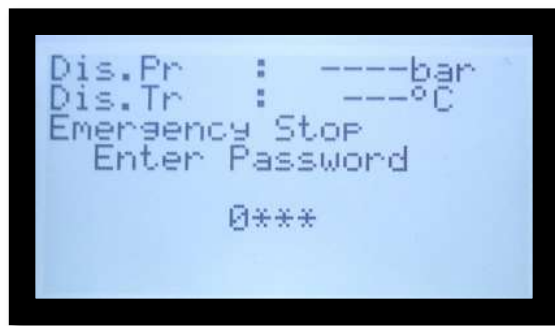
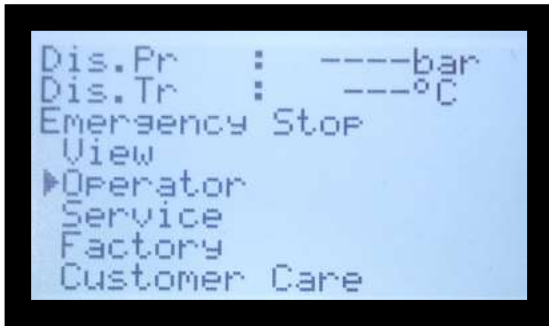


Select **COMP INFO** and press enter. You can now set the Rating and FAB by hitting enter next to the one you want to change and then individually selecting letters/numbers.

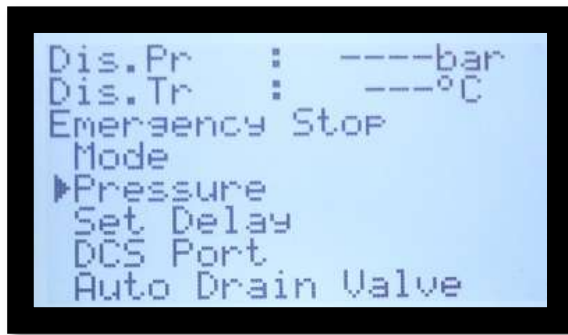
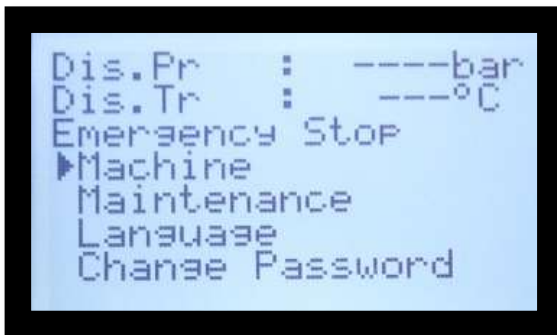


## 6. Set up the load/ unload pressures

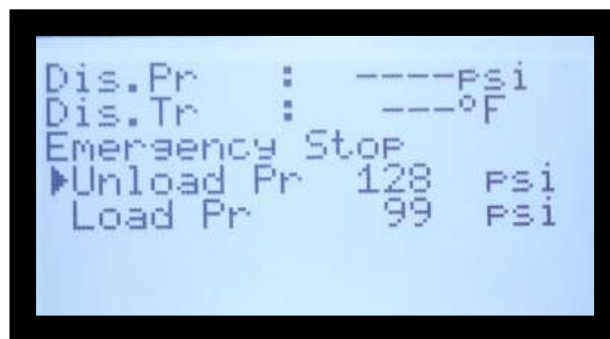
Press the back/reset button until you are back in the main menu. Select the **OPERATOR** menu and enter passcode 4545 and press enter.



Once in the **OPERATOR** menu, select **MACHINE** by pressing enter, then select **PRESSURE** by pressing enter.



You may now adjust the load and unload values to the desired settings for your application by hitting enter and using the up/down arrows



## 7. Setting Run Hours

To transfer Run hours from the old controller to the new controller you will need to access the **ADMIN** menu (**ADMIN** menu can be found by scrolling down past **FACTORY** in the main menu). Enter passcode: **2015**. Once in the **ADMIN** menu, scroll down and select **CUMULATIVE TIME** and press enter. The Load and Unload hours must be set. The total run hours cannot be entered directly. The controller will automatically calculate the run hours based on the load and unload hours. To enter load hours, select load hours and press enter. Use the up and down arrows to enter the correct hours. Unloaded hours are adjusted in the same manner. If you wish to check and see if the hours have been changed correctly you must check in the **VIEW** menu. From the main menu, select the **VIEW** menu and press enter. Select **CUMULATIVE TIME** and press enter. You should now be able to see the total run hours Equaling the sum of the load and unload hours that you just set in the **ADMIN** menu.