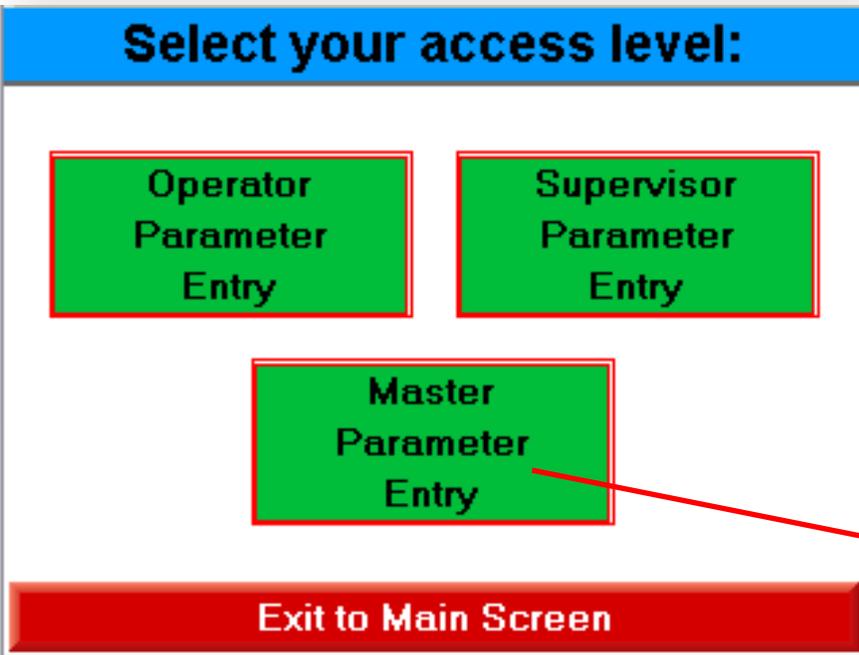
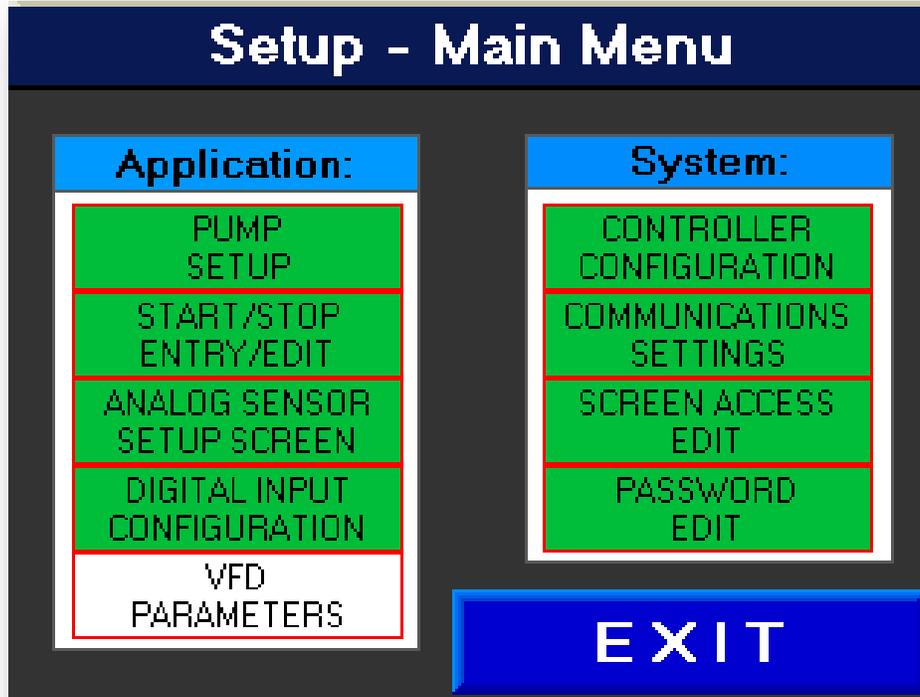


Home Screen—Press “Setup Menus” to configure controller



Login Screen—Select “Master Parameter Entry” to access all parameters.  
Default Password = “0”

## Setup—Main Menu Options



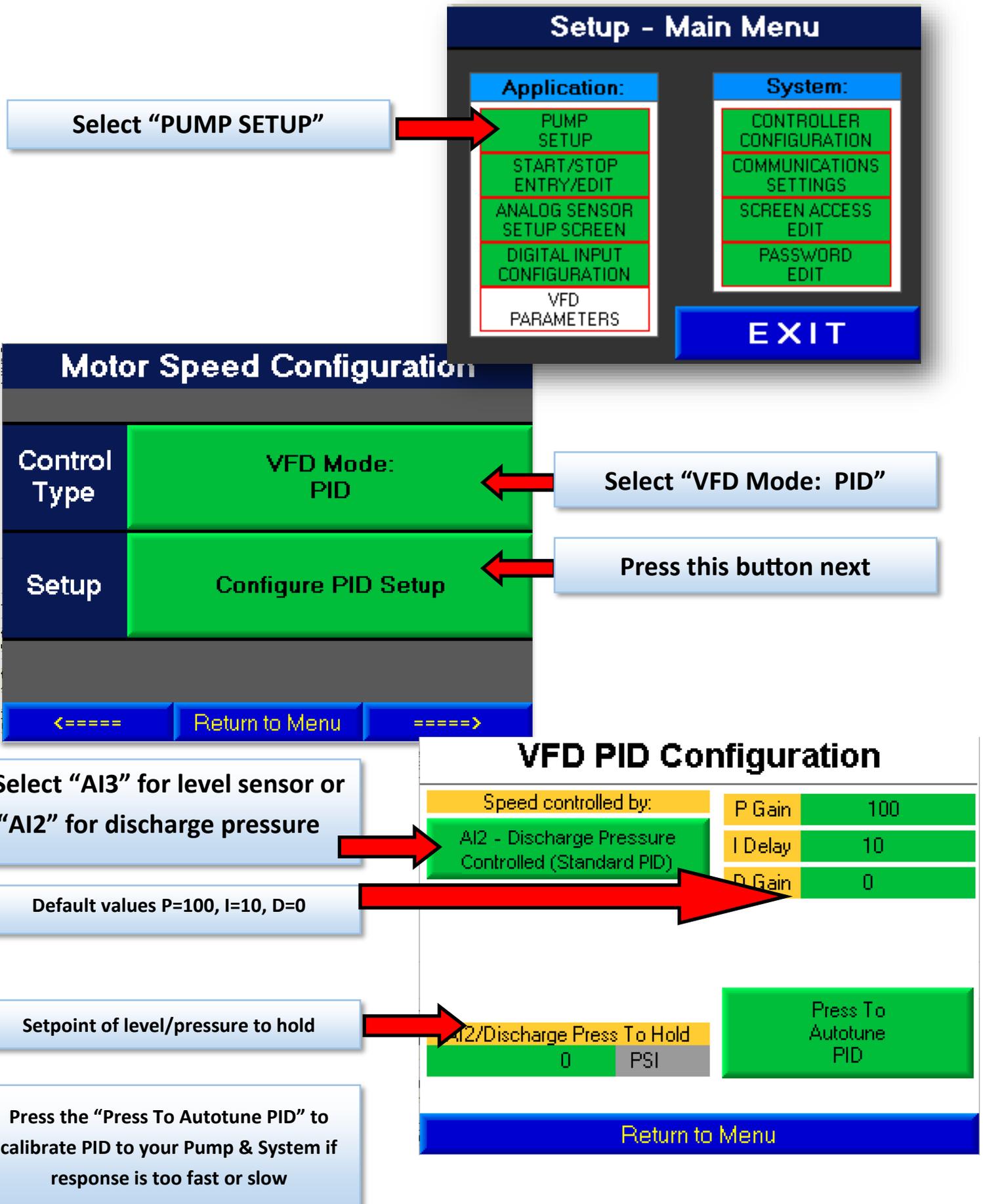
### Application:

<b>PUMP SETUP</b>	Speed control parameters
<b>START/STOP ENTRY EDIT</b>	Start/Stop control parameters
<b>ANALOG SENSOR SETUP SCREEN</b>	Parameters to configure analog devices connected to controller. (ie: transducers)
<b>DIGITAL INPUT CONFIGURATION</b>	Parameters to configure digital devices connected to controller. (ie: switches / contacts)
<b>VFD PARAMETERS</b>	Fuji Mega VFD Parameters. (If unit has other brand VFD keypad on door: FLA/Overload, Min/Max Hz, etc. will need to be entered on VFD Keypad)

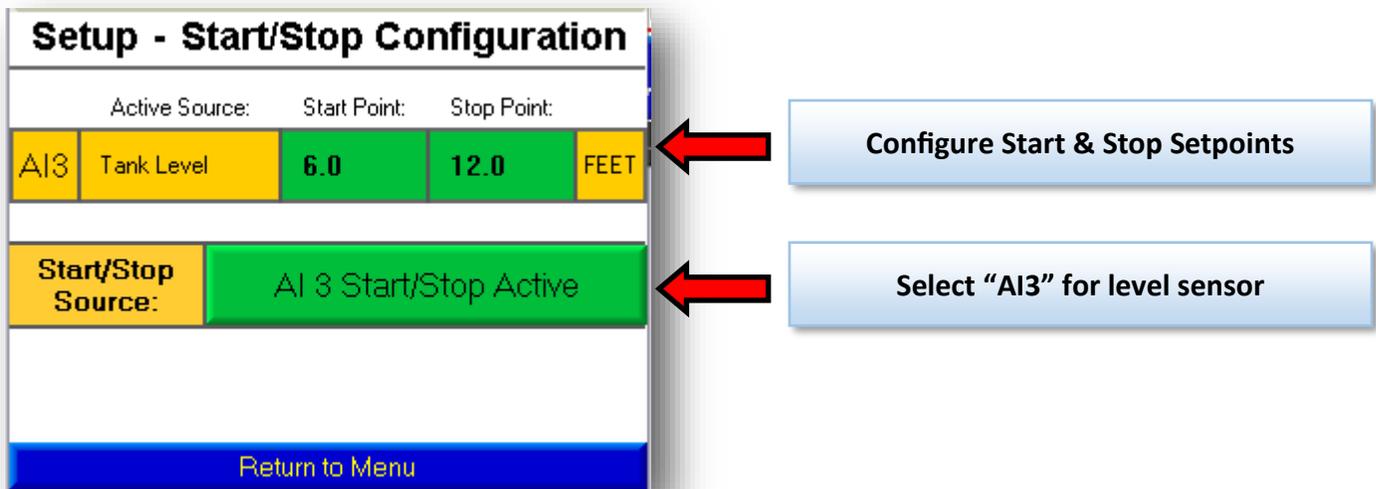
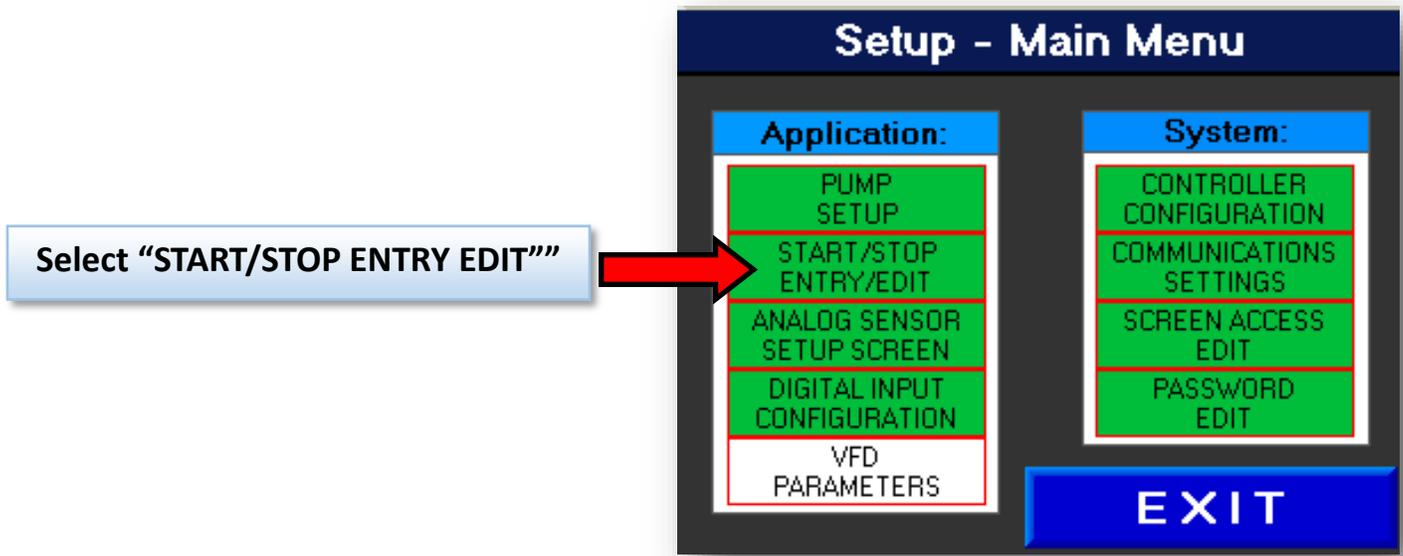
### System:

<b>CONTROLLER CONFIGURATION</b>	Select main screen, save parameters to SD card.
<b>COMMUNICATIONS SETTINGS</b>	Configure RS-485 & Ethernet for SCADA connectivity.
<b>SCREEN ACCESS EDIT</b>	Select which options "User" & "Supervisor" users get access to.
<b>PASSWORD EDIT</b>	Select passwords for each user.

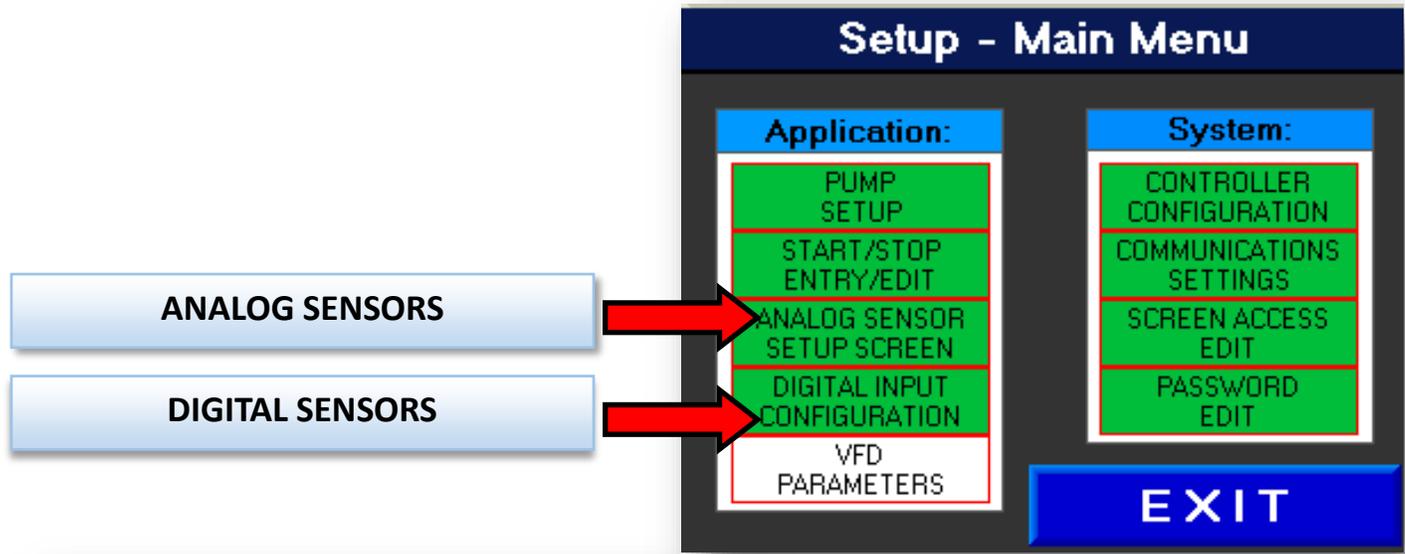
## Configure unit for maintaining a level (PID):



## Configure unit for maintaining a level (PID):



# Configuring your sensors:



### Analog Input 3 Sensor Setup

AI3 9.8 ma      Low Range    High Range    Units

Tank Level	0.0	23.5	FEET
Low shutdown/alarm	Start Delay	Detect Delay	Restart Delay
3.0 FEET	000000.00	000004.00	000240.00
High shutdown/alarm	Start Delay	Detect Delay	Restart Delay
20.0 FEET	000004.00	000004.00	000240.00

Low    0=Used for shutdowns and requires manual reset  
       1=Used for shutdown but restarts after restart delay  
       2=Alarm Only, Manual Reset  
 High    3=Alarm Only, Auto Reset  
       4=Monitor Only  
       5=Sensor Disabled

**Advanced Setup**

<=====    Return to Menu    =====>

<b>Low Range</b>	Level @ 4mA
<b>High Range</b>	Level @ 20mA
<b>Units</b>	Engineering units to display. (feet / PSI)
<b>Low Shutdown</b>	Faults if input is below this level.
<b>High Shutdown</b>	Faults if input is above this level.
<b>Low Action</b>	Action to take when low level occurs.
<b>High Action</b>	Action to take when high level occurs.

<b>Detection Time</b>	If contact indicates problem, wait this long before acting on it.
<b>Restart Time</b>	Wait this long before restarting if timed reset is enabled
<b>Action</b>	Select if this input will shutdown unit, if it will restart automatically.

### These are additional shutdowns/alarms (in addition to your Start/Stop control)

You can use "Alarm Only" to give you a message that can be read with your SCADA system to tell you if the level gets to high for instance without actually shutting the unit down.

**Shutdowns** could use a transducer to stop a pump if suction pressure or discharge pressure was too low and indicated a leak or something.

**The only thing that must be configured on this page is the low & high range, name, and engineering units**

## Configuring your Digital Inputs:

**Digital Input #5 (i5) Configuration**

Name: SAFETY SHUTDOWN

EXPECTED STATE: NO (Default): Low Lubrication Oil Level

Startup detection delay: 000004.00

[NO] -Fault when contact closes. Detection time: 000002.00

Restart time: 000020.00

**CONTACT IS CURRENTLY OPEN**

0=Shutdown manual reset, 1=Shutdown timed reset  
 2=Alarm only manual reset, 3=Alarm only timed reset  
 4=Momentary input to start, 5=Momentary input to stop  
 6=Maintained start signal, 7=Input not used

<===== Return to Menu =====>

<b>Name</b>	Name of sensor
<b>Expected State</b>	Does contact open or close to indicate a problem?
<b>Startup Delay</b>	Wait this long when pump starts before looking at this input
<b>Detection Time</b>	If contact indicates problem, wait this long before acting on it.
<b>Restart Time</b>	Wait this long before restarting if timed reset is enabled
<b>Action</b>	Select if this input will shutdown unit, if it will restart automatically.

**These are additional shutdowns/alarms (in addition to your Start/Stop control)**

A digital input may be a device like a switch, or a contact, that closes or opens to tell the panel it is unsafe to run.