

# EAGLE i • BASIC FUNCTIONS

## Adding and removing authorized telephone numbers:

- There are ten available spaces for telephone numbers so that multiple users can utilize the remote monitoring system.
- However, if more than one phone numbers are active in the system, more text messages will be used because of multiple recipients.
- An authorized phone number must be used to add and remove phone numbers.
- The number (989) 737-8374 has been preprogrammed in your unit as the default phone number.
- Please contact us at [eagleiremote@gmail.com](mailto:eagleiremote@gmail.com) or (989) 737-8374 to remove the default phone number and add your phone number(s) to your unit.

## Checking the status of the controller's inputs:

- There are three inputs being monitored from the VFD.
  1. **VFD Fault.**
  2. **Remote/Local Mode.**
  3. **Pump Running Status.**
- A text message can be sent to the unit to get the status of these inputs.

## Checking the status of the controller's outputs:

- There are three outputs that are used to send signals to the VFD.
  1. **Minimum Speed Input.** This output is used to limit the pump from running above minimum speed. It locks the frequency at minimum while it is in remote. Used when pumping restrictions are in place.
  2. **Fault Reset Output.** This output is used to reset a VFD controller by a text message.
  3. **VFD Enable/Disable Output.** This output is used to idle the VFD/pump when no pumping is required.

## EAGLE i • ADDITIONAL FUNCTIONS

- **Water Level Monitoring.** A text may be sent to request the current water level of the pump tank. The response will be in inches of water.
- **Pump Speed Monitoring.** A text may be sent to request the current speed (frequency) of the pump.
- **Pump Run Time.** A text may be sent to request the accumulated run time of the pump.
- **Pump Cycles.** A text may be sent to request the accumulated cycles that the pump has had.
- **Pump Running or Off Conditions.** The controller can be set to send a text message to the recipients every time the pump turns on or off. This can use a lot of messages and be somewhat bothersome if the pump cycles often. This function can be turned on and off with a command text. So, if the recipients don't want to receive this message it can be turned off until it is needed later.
- **Water Level Alarms.** The controller has been preprogrammed for high and low alarm messages based on the level transducers signal. The high setpoint has been preprogrammed at 85 inches of water. The low setpoint has been preprogrammed at 4 inches of water. These can be changed thru command text messages, or they can be disabled also. These setpoints can be beneficial at sending an alarm if the water is actually too high or these will trigger an alarm if the transducer is not operating correctly.
- **Power Loss.** The controller will send a text message if power is lost to the unit, which most likely would mean that the VFD power was interrupted. Once power has returned, another message will be sent to notify the recipients.
- **Fault Reset.** A text message may be sent to the controller to reset a VFD fault. Some faults will auto reset up to three times before there is a lock out.
- **Setting a Frequency Limit.** A text message may be sent to the controller to limit the running frequency to a minimum speed (30hz). This is utilized when flooding conditions exist or when regulations have limitations on the amount of water that may be pumped.
- **Enabling and Disabling Drive Operations.** A text message may be sent to the controller to disable the operations of the VFD. This will command will inhibit the VFD from running, thus idling the pump operations. Another text may be sent to enable the VFD so normal operating functions can be restored. When the drive has been disabled, "EM Stop BX" will be displayed on the VFD screen.