

# WIRELESS ALARM LIFT STATION RETROFIT



## ADD TO EXISTING STATIONS

The Tbox is a controller programmed for wireless alarm notification of both power loss and high water level in existing lift stations. It can easily be added to remote locations where phone lines are not available. The Tbox will text message appropriate personnel's cell phone when alarm conditions are detected. A digital I/O module allows the existing high level float switch to be used to indicate a high water level alarm. Battery back up is required for the unit to alarm on power failure. Automatic periodic battery testing will insure notification of a deteriorating battery. Either a 24 volt power supply or a 24 volt battery charger can be used with the system.

## USE EXISTING FLOAT SWITCHES

A DIN Rail mount I/O module may be wired in parallel to the output of the existing alarm float switch. It is a high impedance device and will not cause any problems to the operation of your pump controller. It accepts any AC voltage from 90 VAC to 280 VAC and outputs a voltage of 24 vdc. The switch output is wired to the digital input of the Tbox.

## TEXT MESSAGING

The Tbox sends text messages to as many persons as you request. It can differentiate and send according to time or the current shift. Like a cell phone the Tbox requires a SIM card and a low cost monthly service fee.

## GPRS/GSM CONNECTION

The General Packet Radio Service (GPRS) is a packet oriented Mobile Data Service available to users of Global Systems for Mobile Communications (GSM). This provides full access to it through your personal computer even though it may physically be many miles away.

**textMitter**

3335 S Desert Scroll Pl.  
Tucson, AZ. 85735  
520/883-5315  
www.textmitter.com

## TEXT MESSAGE YOUR CELL PHONE ON:

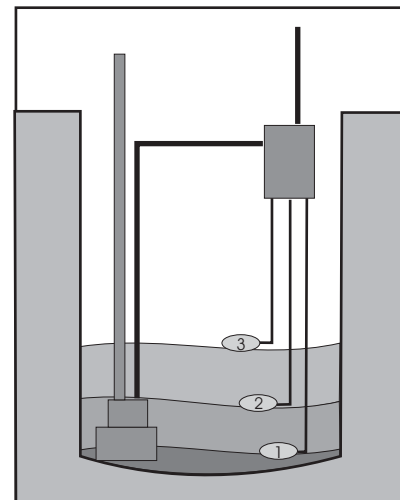
- \* POWER FAILURE
- \* HIGH WATER LEVEL
- \* LOW BATTERY BACK UP

## CAN USE EXISTING:

- \* HIGH LIMIT FLOAT SWITCH
- \* 24 VDC POWER SUPPLY  
OR BATTERY CHARGER

## CONNECT THROUGH GPRS/GSM:

- \* CHECK BATTERY CONDITIONS
- \* ALTER PROGRAM, RECIPIENTS  
AND MONITOR POWER OR ALARM

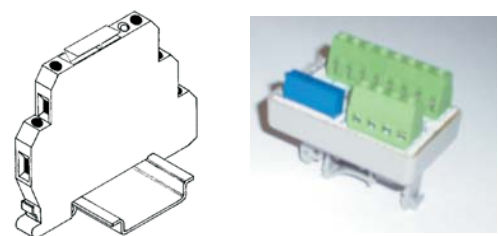


1 Pump Off, 2 Pump On, 3 High Level Alarm

## POWER LOSS MODULE

The Power Loss module accept the battery voltage and either a Power Supply or a battery charger output. Under normal conditions, the Tbox receives its power from the Power Supply or trickle charger. When there is a loss of power, the Power Loss module causes the Tbox to receive power from the battery. The Tbox sends out a text message that power has been interrupted.

The unit is able to self test battery conditions periodically and send a text message when the battery is below an acceptable level.



Din Rail Mount I/O Device and Power Loss Module