

New Unit Worksheet: Crystal Ball

STEP 1: Decide the following options noted below A-E. Enter the information below during the activation process.

- A. New Customers-** Decide on a **USER NAME:** _____ **PASSWORD:** _____ to access equipment information on the GuardDog website (Current customers already have a Username and Password)
- B. SERVICE PLAN-**Decide on the wireless plan you will purchase
- STANDARD** –alarms sent in real time, and equipment reports sent once a day
 - *Purchase on online store prior to activation or use PO# during activation process*
 - ELITE**-same as standard, but one (1) equipment report is sent every 15 minutes (rainfall, tank level, etc)
 - *Purchase on online store prior to activation or use PO# during activation process*
- C. WARRANTY-**Decide which warranty coverage you want
- STANDARD WARRANTY**-no additional costs. Covers parts for one (1) year
 - EXTENDED WARRANTY**-covers parts for an additional two (2) years, 3 years coverage in total.
 - *Purchase on online store prior to activation.*
 - SERVICE CONTRACT WARRANTY**-covers parts for two (2) years for existing units and three (3) years for new units for any reason including flood, lightning, accidental damage, etc).
 - *Purchase on online store prior to activation.*
- D. INFORMATION-**Write down equipment information. OmniSite Unit # is found on the top of the OmniSite unit.
- Unit ID #: _____ Station/Equipment Name _____ (use name for Step 6)
- Station/Equipment Location: Street _____ City _____ State _____ Zip _____
- E. Pin Number:** _ _ _ _ _ (must be six digits)

Unit must be activated before moving on to Step 2. Activate 72 hours before installation at www.omnisite.com.

STEP 2: Field install the OmniSite unit after activation. Record the below information in the field. You will need this information later to setup the GuardDog website. Wiring Questions? See product user manual or call our support line at 317-885-6330

Digital Inputs-Record what you have connected to the digital inputs				
Inputs	Descriptions	Alarm State Open/Closed	Powered/ Unpowered Contacts	Alarm Delay
Example	High Wet Well Level	Open	Unpowered	10 sec
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				

Analog Inputs-Record what is connected to the 4-20mA input						
Inputs	Description	Low Range (0mA)	High Range (20mA)	Units	Low Alarm	High Alarm
<i>Example</i>	<i>Transducer</i>	<i>0</i>	<i>20</i>	<i>feet</i>	<i>4</i>	<i>17</i>
1						
2						
3						
4						

Digital Output Relays-Record what loads are connected		
Output #	Description	Normally Open/Closed
<i>Example</i>	<i>Pump 1</i>	<i>Normally open</i>
1		
2		
3		
4		

STEP 3: There are certain settings which must be entered into the unit, and CANNOT be entered at the GuardDog website. These are listed below. Use the above settings chart as a reference to enter the following settings into the unit (if you are using the feature) before leaving the field and setting up the GuardDog website.

Parameters at Unit	
Process	Unit
Enter input time delays	x
Enter wet well dimensions	x
Set optional SD card data logging	x
Enter pump controller settings	x
Enter Pump Fail Detection parameters	x
Enter analog alarm high and alarm low set points	x
Enter analog measuring range	x set at both locations
View pump calculations and counter readings	x
View current analog/digital input status	x
Verify Date and time at unit	x

Digital Inputs-Use the Menu as Follows

Main Menu>Enter Set-Up>Digital Inputs

- Set selected input as alarm/rain/counter
- Set time delay for alarm

GPM Calculations

Pump 1 Max GPM _____ Pump 2 Max GPM _____ Pump 3 Max GPM _____

*Hint- take pump rating times two for Max GPM. Example pump rated for 500, select Pump Max GPM to 1,000

Select Decimal Position: i.e. XXX.X shows one decimal place

Tank Shape:

Cylinder

Stop- Lead _____
Diameter _____

Rectangle

Stop-Lead _____
Width _____
Length _____

Analog Inputs

Main Menu>Enter Set-Up>Set-Up Analog Inputs

- Set selected input
- Select decimal position, range, alarms, alarm delays, deadband, and output control

Pump Fail Detect

Part 1

- Must wire up Amp Probe to Analog Inputs
- Must configure selected Analog Input and range for selected input

Part 2

Main Menu>Enter Set-Up>Pump Fail Detect

- Enable-Yes
- Time Delay _____
- Amp Threshold _____

Example

Pump normally pulls 30 amps

Amp probe set to range of 0-200 amps

Must pull a minimum of 20 amps

20/200=10%; Amp Threshold 10%

If pump does not pull the minimum amp threshold, pump goes into alarm

Pump Control- Use lower keypad

Press Pump Bypass

- To perform pump control with Pump 1
- Select P1 Runs-Yes
- Select P1 Control-Yes
- Repeat for Pump 2 and Pump 3

Press Pump Settings

- Select Sensors-** 4-20mA (transducer), floats, or 4-20mA primary with float backup
- Great Control-**Use % to adjust start and stop limits to prevent grease ring in tank
- Alternate Pumps-**Yes or No
- Pump Scheme-** Pumping **Up** or pumping **Down**
- Pump Fail Alarm-**Yes or No

If sensor is transducer

Press Level Set-Up

- Stop Level _____
- Lead Level _____

If sensor is floats

- Wire up floats
- Lead limit float(wired to Input 10)
- Stop limit float (wired to Input 11)

- FINAL CHECKLIST:** Unit enabled? Entered GPM info? Entered time delays? Signal strength good/green?
 Test inputs? Verify unit transmitted? Battery plugged in?

STEP 4: If you have completed all above, congratulations! At this step, it is strongly recommended you call our tech support at 317-885-6330 and have them verify the product is transmitting. This is also a good time to test an alarm. Our tech support will walk you through the process and let you know if it worked. After a successful alarm, you can configure your GuardDog account with confidence.

STEP 5: Configure your unit on the GuardDog website. Bring this worksheet with you to setup the device. The final step is to configure an alarm Callout List and Device Setup on the GuardDog website. Use the chart below to remind you what you can set and view on the website. Have questions? Call our support center or use the Help section located in the top right of the screen once logged into your account.

Parameters on Website	
Process	Website
Enter analog measuring range	x set at both locations
View current pump calculations and counter readings	x
View current analog/digital input status	x
Setup optional GPM override	x
Setup recipient email, phone, and text information	x
Setup call-out list order and delays	x
Setup inputs for alarm states and descriptions	x
Setup notification events	x
Setup time scheduled report	x
View charts, graphs, and export data	x
View logs and history	x
Analyze inflow and rainfall	x

STEP 6: Configurations are complete.

To ensure the unit is in top condition to notify you of alarm conditions, complete monthly maintenance check-ups at the unit. Test alarms and check the status of the battery to hold its charge once primary power is removed.

Congratulations on a successful install. Thank you for your purchase of this quality OmniSite product.

Want to learn more? Sign up for our GuardDog webinar by contacting training@omnisite.com