

Advanced Text Notification

QUICK START INSTRUCTIONS

READ THIS MANUAL BEFORE USING THIS PRODUCT. FAILURE TO FOLLOW THE INSTRUCTIONS AND SAFETY PRECAUTIONS IN THIS MANUAL CAN RESULT IN SERIOUS INJURY OR DEATH. KEEP THIS MANUAL FOR FUTURE REFERENCE.



QUICK START INSTRUCTIONS

BCPA1

DESCRIPTION

Thank you for your purchase. This device includes a dual float sensor that installs in your sump pit, a control unit that attaches to the discharge pipe above the pit, and a power cord. When the device detects a power outage or high water condition, a LED light flashes, an audible alarm sounds, and the device will send a text message alert to (up to) three mobile phone numbers that you have programmed. This device operates on AC power and requires four (4) AAA batteries (not included). There is a small monthly fee for the texting service.

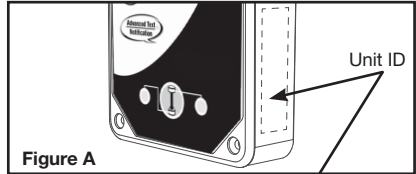
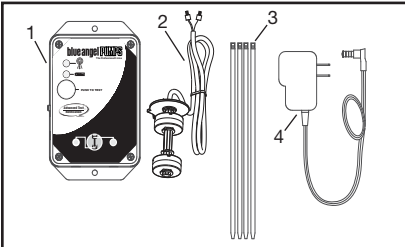


Figure A
Unit ID and Promo Code:



STEP 1 - VERIFY PACKAGE CONTENTS



1. Advanced Text Notification Cellular Device
2. Dual float water sensor with hose clamp
3. Four (4) mounting straps
4. A/C power adapter

INSTALLATION TOOLS NEEDED

1. Safety glasses
2. Phillips head screwdriver
3. Flat head screwdriver
4. Scissors or wire snips
5. Four (4) AAA Batteries

STEP 2

- a. SIGNAL STRENGTH
- b. INSTALL BATTERIES
- c. NETWORK CONNECTION

For detailed instructions go to page 3.

STEP 3 - ONLINE ACTIVATION

For detailed instructions go to page 4.

STEP 4 - EMAIL CONFIRMATION

For detailed instructions go to page 4.

STEP 5 - SAVE DEVICE NUMBER AS A CONTACT

For detailed instructions go to page 4. Record device phone number (from activation email) below:

STEP 6 - INSTALLATION

For detailed instructions go to page 4.

STEP 7 - ENTER EMERGENCY CONTACTS

Record your (3) emergency contact cell phone numbers (with texting capability) you enter into the device.

Phone1 _____

Phone2 _____

Phone3 _____

STEP 8 - TEST DEVICE

For detailed instructions go to page 5.

GENERAL SAFETY INFORMATION

⚠ DANGER *Electric shock hazard. ALWAYS use a licensed electrician. ALWAYS apply a fixed lock/tag before servicing. ALWAYS comply with national and local electric codes. ALWAYS use the system indoors in a well ventilated area. NEVER walk on wet floor until power is disconnected. NEVER remove the ground prong from the plug. NEVER use an extension cord. NEVER use device if dropped or damaged - contact Blue Angel Pumps for service.*



SAFETY SYMBOLS AND WARNING LEVELS

This information is provided for SAFETY and to PREVENT EQUIPMENT PROBLEMS. To help recognize this information, observe the following symbols.

⚠ DANGER *Danger indicates an imminently hazardous situation which, if NOT avoided, WILL result in death or serious injury.*

⚠ WARNING *Warning indicates a potentially hazardous situation which, if NOT avoided, COULD result in death or serious injury.*

⚠ CAUTION *Caution indicates a potentially hazardous situation which, if NOT avoided, MAY result in minor or moderate injury.*

NOTICE *Notice indicates important information, that if NOT followed, MAY cause damage to equipment.*

⚠ *This is the safety alert symbol. It is used to alert you to potential bodily injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.*

INSTALLER RESPONSIBILITIES

INSTALLER, PLEASE LEAVE THIS MANUAL FOR THE OWNER WHEN INSTALLATION HAS BEEN COMPLETED.

OVERVIEW OF SAFETY GUIDELINES AND INSTALLER RESPONSIBILITIES

This device uses electricity in the presence of water, therefore your safety and the safety of others depend on you thoroughly reading and understanding this manual. If you have questions or do not understand the information presented in this manual, please call 1-888-636-6628.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. The meaning of this safety alert symbol is as follows: **Attention! Become Alert! Your Safety may be at Risk.** The message that appears next to the

warning which can either be written or pictorially presented. Operations that may cause product damage are identified by the signal word “NOTICE” in this manual.

Most incidents are caused by failure to observe basic safety rules or precautions. You must be alert to potential hazards. You must have the necessary training, skills, and tools to perform these functions.

Blue Angel Pumps cannot anticipate every possible circumstance that might involve a potential hazard. Therefore, the warnings in this manual are not all inclusive. If a tool, procedure, work method or operating technique that is not specifically recommended by Blue Angel Pumps is used, you must satisfy yourself that it is safe for you and for others. You should also ensure that the product will not be damaged or be made unsafe by the operation, lubrication, maintenance or repair procedures that you choose.

⚠ DANGER *NEVER allow children to use this product.*



NOTICE *Do NOT expose to rain or snow. Do NOT disassemble.*

⚠ WARNING *Chemical Hazard. In the event of bodily contact, immediately rinse with cool running water for at least 15 minutes. Seek medical attention immediately after rinsing.*



CALIFORNIA PROPOSITION 65

⚠ WARNING *This product or its power cord MAY contain chemicals, including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.*

**GETTING TO KNOW YOUR
ADVANCED TEXT NOTIFICATION
DEVICE (FIGURE B)**

1. **Status Light** - See page 7 for Light Blinking Pattern Definitions
2. **Low Battery Light** - See page 7 for Light Blinking Pattern Definitions

NOTICE *Using 3 or more batteries may appear to work properly even if one is inserted incorrectly. Such usage may lead to battery leakage or rupture that could result in equipment damage.*

▲ WARNING *Do NOT mix old and new batteries. Doing so will reduce overall performance and may cause battery leakage or rupture. When replacing batteries, always replace all 4 at the same time.*

▲ WARNING *Do NOT mix different battery brands or types. Doing so will reduce overall performance and may also cause battery leakage or rupture. We recommend using the same type of batteries within a device.*

3. **PUSH TO TEST** - Sends a text notification (up to 3) to all emergency contact phone numbers the home owner has programmed.
4. **Lower Float Water Sensor Light** - This light blinks when the bottom float is activated.
5. **Upper Float Water Sensor Light** - This light blinks when the top float is activated.
6. **Power Jack** - A/C power adapter plugs in here.
7. **On/Off Switch** - Turns the Advanced Text Notification device on or off.
8. **Sensor Ports** - The 2 dual float sensors plug in here. See (Figure B)

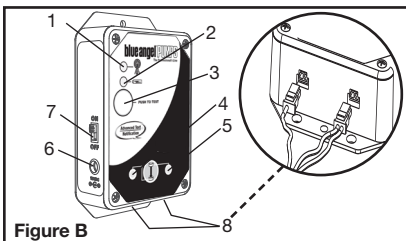


Figure B

NOTICE *Use of this device and the ability to send and receive texting alerts in the event of an emergency, are contingent upon an active cellular service.*

OPERATING INSTRUCTIONS

STEP 1 - VERIFY PACKAGE CONTENTS

UNPACKING

Inspect this device before it is used. Occasionally, products are damaged during shipment. If the device or components are damaged, contact customer service at 888-636-6628.

**STEP 2
a. SIGNAL STRENGTH
b. INSTALL BATTERIES
c. NETWORK CONNECTION**

- a. Before installing your Advanced Text Notification device, you will need to check the signal strength/reception in your basement. To do this, plug in the A/C power adaptor, flip the "On/Off" switch to the "On" position and wait for the status light to change from a red light to a blinking green light. Blinking green indicates you have cellular reception, (this can take up to 1 minute).
- b. Next, flip the "On/Off" switch to the "Off" position and unplug A/C power. Remove (4) screws, lift lid and install (4) AAA batteries. (Figure 1) The negative (-) end of the battery must touch the spring. Replace the lid and (4) screws.

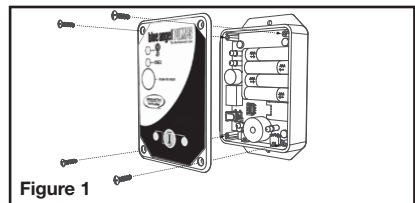


Figure 1

NOTICE *Do NOT overtighten screws.*

- c. Plug in A/C power adapter and flip the "On/Off" switch to the "On" position. Wait for the status light to turn solid green indicating network connection.

NOTE: If the status light remains red, go online and check the Verizon wireless 3G coverage map: <http://www.verizonwireless.com>

STEP 3 - ONLINE ACTIVATION

- a. Log on to: www.blueangelpumps.com/AdvancedText to activate your texting service. You will need the 6 digit Unit ID and 8 digit promo codes (alphanumeric). (Figure A, page 1)

Follow the online steps to activate your device. Click the “Activate” link at the top of the page as shown (Figure 2) to get started.

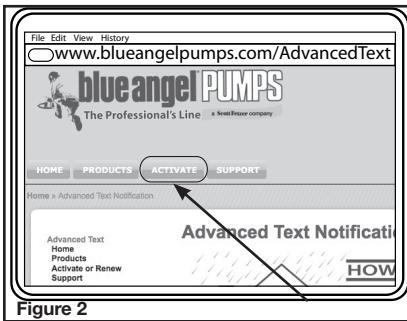


Figure 2

STEP 4 - EMAIL CONFIRMATION

You will receive 2 emails.

1. A receipt for your credit card purchase. If you do not receive this email, check your spam folder.
2. An activation email containing your device telephone number that you will need to complete the setup process. This process takes on average, 15-30 minutes for the activation email to arrive.
NOTE: Be sure to record the device phone number on the front page of this manual.

STEP 5 - SAVE DEVICE NUMBER AS A CONTACT

- a. Once you have recorded the device phone number from your activation email, you will also need to save this as a contact in your phone. You can name this anything you want. For example “My Sump Pit” or your street address for easy identification.

STEP 6 - INSTALLATION

- a. Mount the Advanced Text Notification device to the sump pump discharge pipe a minimum of 4 ft. above the sump cover using (2) of the mounting straps included. (Figure 3) The Advanced Text Notification device can also be mounted to an interior wall. Mounting to an exterior wall, nearer to dirt or earth ground, can reduce cellular signal.

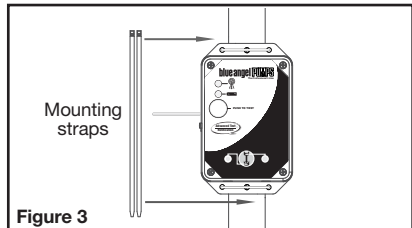


Figure 3

- b. Connect the dual float sensor to the jacks located on the bottom of the device. Secure the dual float sensor on the discharge pipe at the height you want the alarm to activate using the hose clamp provided. Loop the wire around the zip tie to prevent the sensor from slipping down the pipe. Do not mount the dual float sensor near an inflow pipe where water could splash and give a false alarm. (Figure 4)

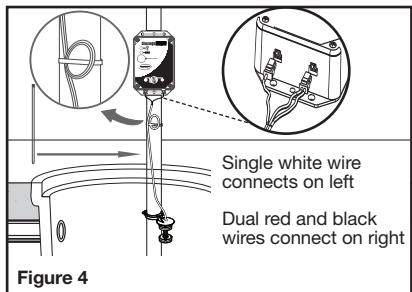


Figure 4

CAUTION Protect electrical cord from sharp objects, hot surfaces, oil, and chemicals. Avoid kinking the cord and replace damaged components immediately.

NOTICE Use above a completely enclosed sump pit.

- c. Plug the device into a GFCI outlet and turn the On/Off switch to “On”. (Figure 5) NOTE: The status light should now be solid green

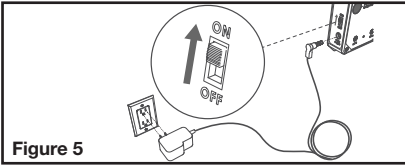


Figure 5

- d. Once the status light turns solid green this device is ready to receive text messages from your cell phone. (Figure 6) In the next step, you will program the device by sending it text message commands from your cell phone.

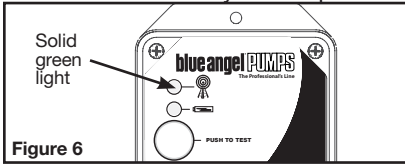


Figure 6

STEP 7 - ENTER EMERGENCY CONTACTS

- a. Using your cell phone, create and send a text message to the Advanced Text Notification number that you saved in step 5. Type the following command: **Phone1**{space}10 digit phone number. (Figure 7)
- b. It is recommended to add contact numbers for **Phone1**, **Phone2** and **Phone3**. In case of an emergency alert, if one of the phone numbers are out of network range, service has been interrupted or disconnected, or the phone is off, it will NOT receive an alert text notification. The device will send alerts to all of the phone numbers that have been saved to Phone1, Phone2 and Phone3 entries.

NOTICE *The reference to "{space}" throughout this manual indicates a space in the text entered e.g. Phone1 5557654321 and should not be entered as shown with brackets and the word "{space}", otherwise the entry will be invalid and you may not be able to send and receive text alerts.*

This number will be saved to Phone1 or position #1. It is necessary to type the set up as shown in the diagram including spaces where indicated. Otherwise, set up may not be successful.

NOTE: Do NOT enter a "1" in front of the area code.



Figure 7

- c. If successful, the device will chirp twice and you will receive a text message to the phone number you just entered in approximately 30 seconds after the device chirps. (Figure 8) You can repeat this process up to two additional phones, using Phone2 and Phone3 commands. See troubleshooting section if this step is unsuccessful. (Page 9)

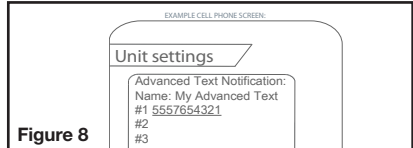


Figure 8

Congratulations!
Your installation is complete.

STEP 8 - TEST DEVICE

Press the "PUSH TO TEST" button to test the system. (Figure 9)

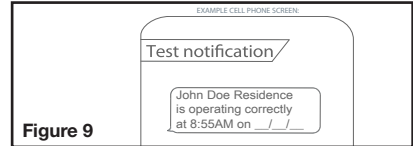


Figure 9

FLOAT TEST: Lift each float individually. Confirm that the unit responds with an audible alarm and a corresponding text message. When floats are returned to home position, an "OK" test message should be received.

POWER TEST: Unplug A/C power (for 10 seconds). Confirm that alert text message is received. Restore power and an "OK" test message should be received.

NOTE: Text messages may take up to (1) minute to receive and is based upon signal strength and cellular network congestion. If text message is not received, refer to troubleshooting section. (Page 9)

OPTIONAL USER COMMANDS**HOW TO CHANGE A PHONE NUMBER**

If you have entered an incorrect number to one of the three emergency contact numbers that will receive a text alert, or if you want to update a phone number, you must first clear the old number by texting the word “none” after the phone setting you want to change, e.g., type **Phone1{space}none**

Refer to Step 7 to enter the new phone number.

NAMING MULTIPLE DEVICES**“NAME” COMMAND**

If you are a property manager, a plumber or someone with multiple devices, you may want to give each device a unique name. This way the location where the text alert is originating from is clear. To change the device name from the default name, type the following command:

Name{space}John Doe Residence

If successful the device will chirp and you will receive a text message with the current settings.

DEVICE INTERACTION**“STATUS” UPDATE**

If you wish to receive an update from your device at any time, you can simply text “status” to the device and it will respond with a text message.

“SETTINGS” UPDATE

You can also text “settings” to the device and it will respond with a text message with the current settings stored in the device that you have setup. Pushing the “PUSH TO TEST” button will send a text message to all numbers configured in the device.

ADVANCED TEXT NOTIFICATION LIGHT BLINKING PATTERNS

Your unit will warn you when there is a problem detected. Use the chart below to determine your notifications and light patterns.

Status Light 

Green Flashing	Sleeping or on battery backup power
Green Blinking	Not ready attempting to connect to cellular network
Green Solid	Ready
Red Solid	Cellular signal not present
Red Blinking Fast	An error occurred

Low Battery Light 

Off	Batteries normal
Flashing	Batteries low or critically low

Water Sensor Lights 

Off	Water not detected
Toggles On/Off with audible alarm	Water detected

ADVANCED TEXT NOTIFICATION AUDIBLE ALARMS

Your unit will warn you when there is a problem detected. Use the chart below to determine your audible alarms.

Alert	Event Type
One Second Beep	Water sensor activated
One Second Beep	Power on (after activation)
(3) One Second Beeps	Power on (pre-activation)
1/4 Second Beep Every 30 Seconds	Battery low or critically low
One Second Beep	Push to test
(2) Chirps	Successful programming
(5) Chirps	Cellular service or transmission error
(3) 1/4 Second Beeps	Incorrect or unsuccessful programming error

Definitions:

Flashing - Light will turn on very briefly and then it turns off for two seconds

Blinking - Light will toggle On/Off every second

TROUBLESHOOTING

Troubleshooting Guide

Message	Possible Cause(s)	Corrective Action(s)
Status light is on solid red	Insufficient cellular signal strength	Locate the Advanced Text Notification device to an area with better cellular reception, away from metal objects, or higher elevation Locate the Advanced Text Notification device to an interior wall, away from a wall that is adjacent to soil
The status light is flashing red quickly	An error has occurred	Power off the Advanced Text Notification device for 10 seconds and then power it back on
The low battery light is flashing even though I replaced the batteries	The batteries are not installed properly	Ensure the polarity of the batteries are correct. The negative (-) end of the battery touches the spring in each holder
	You are using low quality batteries	Use only alkaline batteries. Do not use "heavy duty" batteries
	You did not power off the Advanced Text Notification device before replacing batteries	Power off the Advanced Text Notification device for 10 seconds and then power it back on
The Advanced Text Notification device is chirping every 30 seconds	The backup batteries are low	Replace the backup batteries Use only alkaline batteries. Do not use "heavy duty" batteries
All of the lights are flashing on and off and the device keeps beeping	The backup batteries are too low to power the Advanced Text Notification device	Replace the backup batteries Use only alkaline batteries. Do not use "heavy duty" batteries

TROUBLESHOOTING CON'T

The alarm is going off even though the dual float switch is not submerged in water	The dual float switch is obstructed by debris One, or both, of the input jacks connecting to the device is loose or unplugged	Check the dual float switch for debris, clear obstruction and reset device Push both wires firmly into the connector jacks on the device and verify they are tight
Text messages arrive out of order	Poor signal strength Cellular network congestion	Locate the Advanced Text Notification device to an area with better cellular reception No remedy
The Advanced Text Notification device is not communicating with my phone	The phone number was entered incorrectly	Double check the phone number entered, as a contact in Step 5. Make sure you did not put a "1" in front of the area code
	<p>NOTE: If you have added a phone number in error or you want to change a contact number type "Phone1 {space}none" If the incorrect number is Phone2 or Phone3 repeat the sequence above for the correct number</p> <p>You will receive a confirmation text from your device that the number has been cleared. Repeat Step 7 to enter a new emergency contact number</p>	

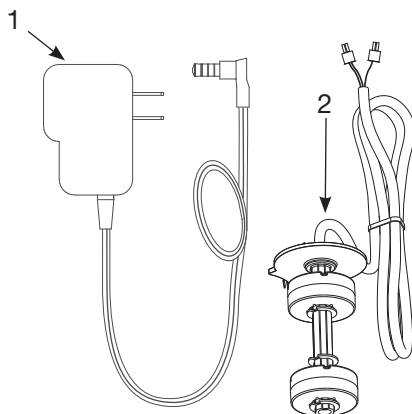
For Replacement Parts or Technical Assistance, call 888-636-6628

Please provide following information:

- Model number
- Unit ID
- Part description and number as shown in parts list

Address parts correspondence to:

Blue Angel Pumps
101 Production Drive
Harrison, OH 45030 U.S.A.



Ref. No.	Description	Part No.	Quantity
1	A/C Power Adapter	66340-001	1
2	Dual Float Sensor with Hose Clamp	60158-002	1

NOTE: In some cases it will be necessary to note the signal strength/reception in your basement to install or activate the device. Below are the ranges of cellular signal strength you may encounter (in dB) during setup. If there is a problem connecting to the network, or the device will not stay connected, refer to the chart below to diagnose the problem.

Recommended signal range for optimal performance should be between -40 dB and -99 dB.

Signal Strength Guide

Where Signal is	Status	Corrective Action(s)
-40 dB to -99 dB	OK	None
-100 dB to -113 dB	WEAK	Make sure device is not near foundation wall or an area that can restrict cellular signal. Move to another location where better cellular signal is available
> -113 dB	NONE	The device is not able to send or receive alert messages. Move device to a location that can connect with the cellular towers

Limited Warranty

For one year from the date of purchase, Blue Angel Pumps Division will repair or replace, at its option, for the original purchaser any part or parts of its Water Pumps ("Product") found upon examination by Blue Angel to be defective in materials or workmanship. Please call Blue Angel Pumps (1-888-636-6628) for instructions. Be prepared to provide the model number and the Unit ID when exercising this warranty. All transportation charges on products or parts submitted for repair or replacement must be paid by purchaser.

This Limited Warranty does not cover products which have been damaged as a result of accident, abuse, misuse, neglect, improper application, improper maintenance, or failure to operate in accordance with Blue Angel Pumps' written instructions.

THERE IS NO OTHER EXPRESS WARRANTY. IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM THE DATE OF PURCHASE. THIS IS THE EXCLUSIVE REMEDY AND ANY LIABILITY FOR ANY AND ALL INDIRECT OR CONSEQUENTIAL DAMAGES OR EXPENSES WHATSOEVER IS EXCLUDED.

Some states do not allow limitations on how long an implied warranty lasts, or do not allow the exclusions or limitations of incidental or consequential damages, so the above limitations might not apply to you. This limited warranty gives you specific legal rights, and you may also have other legal rights which vary from state to state.

In no event, whether as a result of breach of contract warranty, tort (including negligence) or otherwise, shall Blue Angel Pumps or its suppliers be liable for any special, consequential, incidental or penal damages including, but not limited to loss of profit or revenues, loss of use of the products or any associated equipment, damage to associated equipment, cost of capital, cost of substitute products, facilities, services or replacement power, downtime costs, or claims of buyer's customers for such damages.

You **MUST** retain your purchase receipt along with this form. In the event you need to exercise a warranty claim, you **MUST** send a **copy** of the purchase receipt along with the material or correspondence. Please call Blue Angel Pumps (888-636-6628) for return authorization and instructions.

DO NOT MAIL THIS FORM TO BLUE ANGEL PUMPS. Use this form only to maintain your records.

MODEL NO. _____

DATE _____

ATTACH YOUR RECEIPT HERE