



## QUICK START INSTRUCTIONS

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

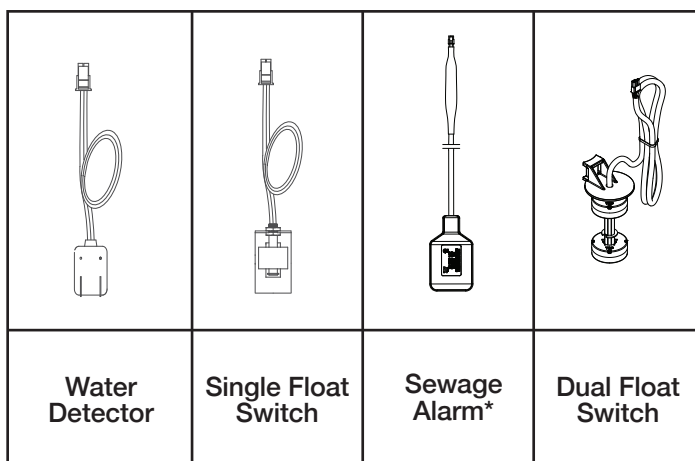
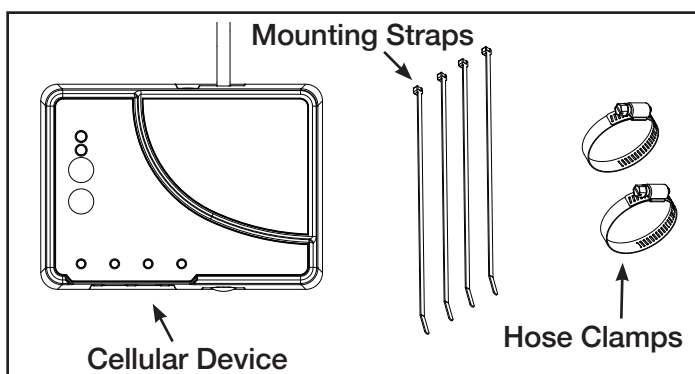
### OPERATING INSTRUCTIONS AND PARTS MANUAL

#### INSTALLATION TOOLS NEEDED

1. Safety glasses
2. Flat head screwdriver
3. Scissors or wire snips
4. Four (4) AA batteries

#### STEP 1

##### VERIFY PACKAGE CONTENTS



\* Sewage alarm not included in all packages.

#### STEP 2

- (a) CHECK SIGNAL STRENGTH
- (b) INSTALL BATTERIES
- (c) CHECK NETWORK CONNECTION

For detailed instructions on this step, refer to page 3.

#### STEP 3

##### CONDUCT ONLINE ACTIVATION

For detailed instructions on this step, refer to page 3.

Unit ID  
Sticker  
Here

#### STEP 4

##### EMAIL CONFIRMATION

For detailed instructions on this step, refer to page 3.

#### STEP 5

##### SAVE DEVICE NUMBER AS CONTACT

For detailed instructions on this step, refer to page 3.  
Record device phone number (from activation email) below:

Device phone number \_\_\_\_\_

#### STEP 6

##### INSTALL THE SYSTEM

For detailed instructions on this step, refer to page 3.

#### STEP 7

##### ENTER EMERGENCY CONTACTS

Enter three (3) emergency contact cellular phone numbers.  
For detailed instructions on this step, refer to page 4.

Phone 1 \_\_\_\_\_

Phone 2 \_\_\_\_\_

Phone 3 \_\_\_\_\_

#### STEP 8

##### TEST DEVICE

For detailed instructions on this section, refer to page 5.

## DESCRIPTION

Thank you for your purchase. This device includes a float sensor that installs in your sump pit, a cellular control unit that attaches to the discharge pipe above the pit with 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 cellular phone numbers that you have programmed. This device operates on AC power and requires four (4) AA batteries (not included). There is a nominal annual fee for the text message service.

## REPLACEMENT PARTS OR CUSTOMER SERVICE

**Madison Company**  
800-466-5383  
info@sensorsays.com  
M-F 8a - 5p EST  
27 Business Park Drive  
Branford, CT 06405

## SAFETY & INFO SYMBOLS AND WARNING LEVELS

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

### DANGER

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

### CAUTION

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

### WARNING

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

### NOTICE

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

## 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 customer service.*



### DANGER

*NEVER allow children to use this product.*



### NOTICE

- Do NOT expose to rain or snow.
- Do NOT disassemble.

### NOTICE

*Ensure batteries are installed correctly. Improper polarity could result in equipment damage.*

### WARNING

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

**DANGER!** Do NOT operate pump or this cellular device in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Pump motors and electronics create sparks which MAY ignite the dust or fumes.



*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 therefore, you MUST read and understand 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.

We 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 professionally recommended 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.

### 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.*



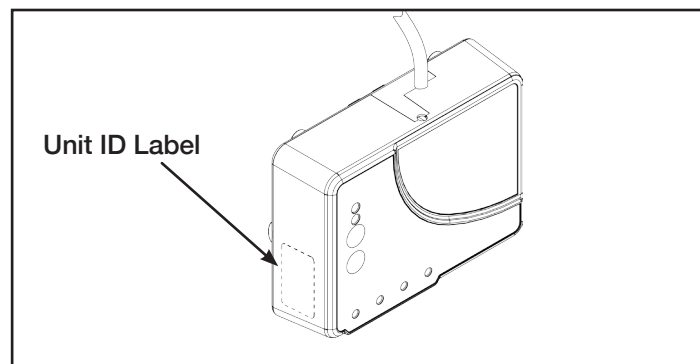
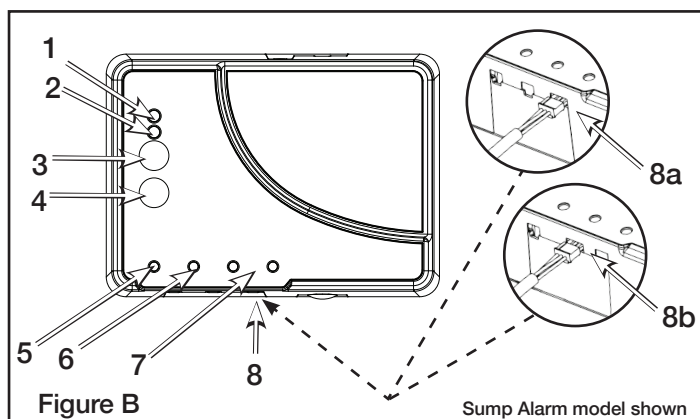
## CALIFORNIA PROPOSITION 65

### 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 DEVICE (FIGURE B)

1. **Status Light** - See page 6 for Light Blinking Pattern Definitions
2. **Low Battery Light** - See page 6 for Light Blinking Pattern Definitions
3. **ON/OFF/MUTE** - Press the button 1 time to mute the device and 1 time to un-mute the device. Press and hold for 3 seconds for ON/OFF
4. **PUSH TO TEST** - Press the button 1 time to test device and receive a text message.
5. **Input 1** - LEDs blink when the associated inputs are triggered.
6. **Input 2** - LEDs blink when the associated inputs are triggered.
7. **Inputs 3-4** - #3 LED blinks when the lower float is triggered and #4 when the upper float is triggered.
8. **Sensor Ports** - The dual float sensor - 3 pin (8a) or standard input - 2pin (8b) plugs in these ports.



### 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.

### STEP 2

#### (a) CHECK SIGNAL STRENGTH

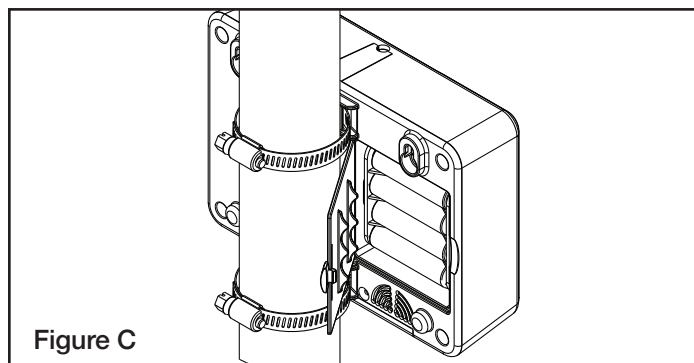
#### (b) INSTALL BATTERIES

#### (c) CHECK NETWORK CONNECTION

- Before installing your device, you will need to check the signal strength/reception. To do this, plug the A/C power cord into a functional outlet. A solid green status light indicates you have cellular reception (this can take up to 1 minute). If you do not receive a green light and instead receive either:
  - 1) A flashing green light that does not turn to solid green, you have sufficient cellular reception but your online activation process (Step 3) may take longer, up to 45 minutes.
  - 2) A red light, this could mean insufficient cellular signal. Refer to the troubleshooting guide and go online and check the Verizon wireless 3G coverage map: <http://www.verizonwireless.com>
- Next, turn the device "off" by pressing and holding the power button for 3 seconds, the status light will begin to flash green rapidly as it powers down. The flashing green status light will turn off indicating power is off. Install (4) AA batteries by opening the battery door on the back of the unit. Align the negative (-) end of the battery to the spring in each holder. (Figure C)

### NOTICE

The battery door latch may be tight and seem difficult to open. This is intentional and to ensure the batteries are secured properly inside the device during normal operation.



- Plug in the A/C power plug, turn the unit back on, wait for the status light to turn solid green (or blinking green as described in 2.a.1.) indicating network connection.

### STEP 3

#### CONDUCT ONLINE ACTIVATION

- Log on to: **SensorSays.com/activate** to activate your text message service. You will need the Unit ID. This can be found on the front page, or on the side of your unit.

Follow the online steps to activate. You will receive your device phone number on the last

### STEP 4

#### EMAIL CONFIRMATION

You will receive 2 emails:

- A receipt for your credit card purchase. (if you do not receive this email, check your spam folder).
- An activation email containing your device telephone number that you will need to complete the setup process. This process takes on average, 1-5 minutes for the activation email to arrive. If you received a flashing green light as described in step 2.a.1., it may take up to 45 minutes for the activation email to arrive.

#### NOTICE

*Be sure to record the device phone number from your activation email on the front page of this manual.*

### STEP 5

#### SAVE DEVICE NUMBER AS CONTACT

- 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 "Basement Alarm" or your street address for easy identification.

### STEP 6

#### INSTALL THE SYSTEM

- Mount the device to a pipe using the mounting brackets. (Figure E)

The device can also be mounted to an interior wall. (Figure F) Mounting to an exterior wall, can reduce cellular signal.

Attach device to discharge pipe using hose clamps provided

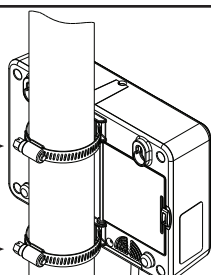


Figure E

For wall mount  
use 4.5 in. center  
to center

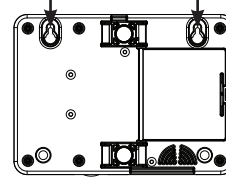


Figure F

- Connect your sensors. If using the dual float switch, then you'll need to secure to the discharge pipe at the height you want the alarm to activate using the hose clamp provided. Fasten loose sensor and pump wiring to the PVC pipe with the supplied mounting straps. Do not allow wires to hang in the way of the primary pump float or dual float sensors. Do not mount the dual float sensor near an inflow pipe where water could splash and give a false alarm. (Figure G)

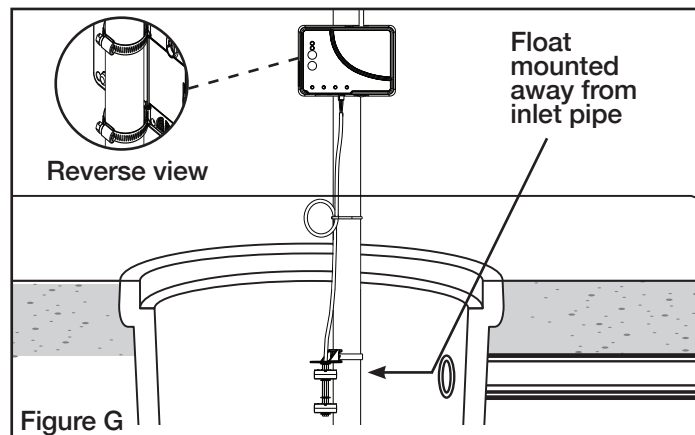


Figure G

#### NOTICE

*Do not allow electrical wires to obstruct the primary pump float or dual float sensors. Failure to secure the wires MAY impede the float and sensors and result in water damage (see Figure G). Use above a completely enclosed sump pit.*

- Plug the device into a 110V A/C outlet and power the unit on. (Step 2)
- Once the status light turns solid green this device is ready to receive text messages from your cellular phone. (Figure H) In the next step, you will program the device by sending it text message commands from your cell phone.

Solid green  
light

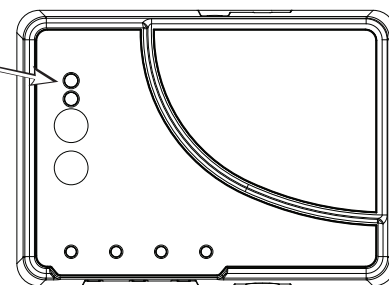


Figure H

## STEP 7

### PROGRAMMING YOUR DEVICE

Our device uses text messages from your phone to program certain features, i.e. notification numbers, device name, input name, input delays, temperature levels, etc.

#### NOTICE

*For a full list of commands and the full summary of the messages sent from this device, please see pages 7-9 of this guide.*

A command is structured in the following way:

command Space [command value].

#### NOTICE

*Our command lists and instructions always place [ ] brackets around the command value, you don't include the brackets when actually sending your message.*

#### Example

phone1 5558883388

↑      ↑      ↑

command    Space key    command value  
                 on phone keypad

The command phone1 updates the 1st notification phone number to the value of 5558883388.

### Programming Notification Numbers

- Using your cellular phone, create and send a text message to the device number that you saved in step 5. Type the following command:

phone1 Space [Phone Number] (Figure I)

- 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

*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.*

#### NOTICE

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

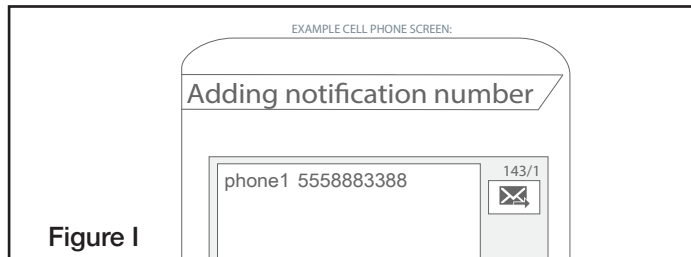


Figure I

- If you are successful in adding emergency contacts, the device will chirp twice and you will receive a text message to the phone number you just entered. Receipt of the text messages takes approximately 30 seconds after the device chirps. (Figure J) You can repeat this process with two additional phones, using Phone2, and Phone3 commands. See troubleshooting section if this step is not successful.

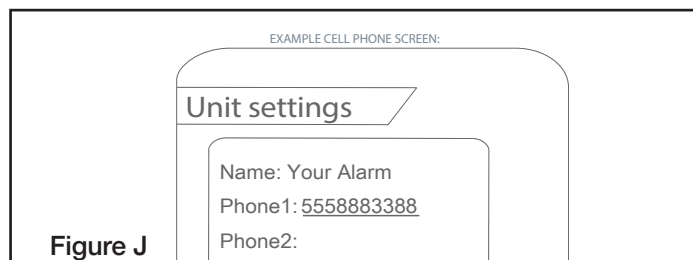


Figure J

## STEP 8

### TEST DEVICE

Press the "TEST" button to test the system. (Figure K)

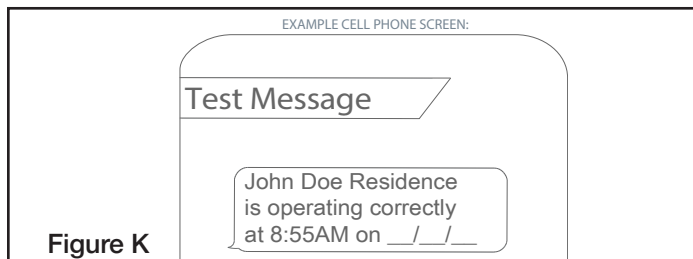


Figure K

**SENSOR TEST:** Trigger each sensor individually. Confirm that the unit responds with an audible alarm and a corresponding text message. When sensors are returned to original state, a return to normal text message should be received.

**POWER FAILURE TEST:** Unplug power (for 10 seconds). Confirm that alert text message is received. Restore power and a power reestablished text message should be received.

#### NOTICE

*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.*

**Congratulations! Your installation is complete!**



## TEMPERATURE ALARM FEATURE

### HOW IT WORKS

Your device contains an embedded temperature sensor. This can be configured to trigger for high and low temperature thresholds, in °F. The temperature sensor has an accuracy of +/- 5 °F.

If the temperature falls below the low threshold a "low temp condition" message is sent.

If the temperature rises above the high threshold a "high temp condition" message is sent.

When the temperature returns to the range between the low and high thresholds, a "normal temp condition" is sent.

#### Hysteresis

There are two (2) degrees of hysteresis required to return to normal. Example: if the low threshold is 30°F, the temperature must go up to 32°F before it is considered to have returned to normal.

### CONFIGURATION

#### NOTICE

[°F] below is replaced with any value between 0 - 999.

#### Low Threshold

Send the unit a message with the following command:

```
temp_low Space [°F]
```

#### High Threshold

Send the unit a message with the following command:

```
temp_high Space [°F]
```

#### Clearing Thresholds

You may want to remove the temperature alarm functionality. You can remove the high and low thresholds individually by sending the following commands:

```
temp_low Space none -OR- temp_high Space none
```

## TIME DELAY FEATURE

### HOW IT WORKS

Your device allows adjustment of the time delay on input alarm triggers and on power outage detection. It will wait the specified amount of time (in seconds) before sounding the alarm and sending out text message alerts.

The power outage detection is a silent alert, meaning only text messages are sent when an outage is detected after the specified time delay, there is no sounder.

#### Device Defaults

By default your device triggers after 1 second for input alarm conditions and has a 5 second delay on power outage detection.

### CONFIGURATION

#### NOTICE

[Seconds] below is replaced with any value between 1 - 9999 seconds. X is either 1,2,3, or 4; dependent on what input you're trying to update.

#### Input Delay

Send the unit a message with the following command:

```
delayX Space [Seconds]
```

#### Power Outage Delay

Send the unit a message with the following command:

```
pwr_delay Space [Seconds]
```

#### Clearing Delays

You may want to remove the delay and have the alarm trigger at the 1 second mark. You can do so by setting [Seconds] to 1:

```
delayX Space 1 -OR- pwr_delay Space 1
```

## CONTACT CLOSURE TYPE FEATURE

### HOW IT WORKS

Your device allows the adjustment of contact closure types, either Normally Open or Normally Closed.

#### Device Defaults

The device defaults to Normally Open for all 4 inputs. All inputs are dry contact, meaning they require non-powered sensors and can detect only an open or a closed contact.

### CONFIGURATION

#### NOTICE

X is either 1,2,3, or 4; dependent on what input you're trying to update.

#### Normally Closed

Send the following command:

```
ctypeX Space nc
```

#### Normally Open

Send the following command:

```
ctypeX Space no
```

---

## MUTE FEATURE

Tapping the Power/Mute button silences the sounder for low battery chirps and all alarm conditions. The LED status light will change from solid green to flashing orange and back to solid green. Mute mode is automatically cancelled after 2 hours or if an alarm state change occurs.

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## CALLER ID FEATURE & CONFIG MODE

If no phone numbers are configured in the unit, it will accept commands from any phone number. Once a phone number is configured in the unit, only commands from phone numbers configured in the unit will be processed.

The unit can be placed in **Config Mode** by pressing and holding the Mute button until the status light (top light) changes to red/green blinking. This allows the device to accept commands from any phone.

---

## COMMONLY USED DEVICE COMMANDS

### UPDATING A PHONE NUMBER

If you have entered an incorrect number, or if you just need to update a phone number, you can simply override the existing number with the following command:

```
phone# Space [Phone Number]
```

Where # is replaced by either a 1, 2, or 3; dependent upon what phone number slot you're trying to update. Refer to Step 7 in this guide for full instructions.

### REMOVING A PHONE NUMBER

If you need to remove a phone number, you can use the command below to do so:

```
phone# Space none
```

Where # is replaced by either a 1, 2, or 3; dependent upon what phone number slot you're trying to remove.

### NAMING YOUR DEVICE

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 of "Your Alarm", use the following message:

```
Name Space [Device Name]
```

If successful the device will chirp twice and return a settings message.

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## COMMONLY USED COMMANDS (CONT'D)

### CUSTOMIZING INPUT NAMES

By default inputs are labeled generically in notification messages from the device. i.e. input #1, input #2, etc.

You have the ability to give the input a more descriptive name, i.e. sewage sensor. To do so, you'll need to send your device the following text message:

```
inputX Space [input name]
```

Where the X is replaced with the input number, 1, 2, 3, or 4, and the [input name] is replaced with your descriptive name, i.e. sewage sensor.

### OTHER DEVICE INTERACTION

#### HELP

The device is programmed to respond to the word help. It will send a series of messages that will aid in setup, reprogramming and learning the most common commands. To receive this message you'll simply compose a message with the following:

```
help
```

If successful the device will chirp and you will receive the help text message.

#### STATUS

If you wish to receive an update from your device at any time, you can simply text:

```
status
```

The device will respond with a status text message.

#### SETTINGS

You can ask the device for its current settings. It will respond with a series of messages showing you configured phone numbers, and input settings. To receive this message, simply compose a message with the following:

```
settings
```

The device will respond with a text message.

#### TEST

Your device will let you know that text message service is operating correctly. To invoke this message, simply send the following text:

```
test
```

## FULL LIST OF COMMANDS

### NOTICE

X below is either 1,2,3, or 4; dependent on what input you're trying to update. The unit will always respond with a double beep and a response message correct command was received. It responds with a triple beep if it did not understand the command and will not beep if message was sent but never received.

Command	Example	Description
settings		Returns the current settings of the device in 3 separate messages.
status		Returns the current status of the device.
help		Requests a help message with a list of most used commands.
setup		Requests a series of three messages that contain most used setup commands.
phoneX [Phone Number]	phone1 5558882233 sets phone #1 to 5558882233	Configures phone numbers in the unit, up to 3. X is either 1, 2, or 3; dependent on what number you're trying to configure.
inputX [Input Name]	input1 Flood Sensor sets input #1 to "Flood Sensor"	Names the input, up to 20 characters. Default is "Input #X." X is either 1, 2, 3, or 4; dependent on what input you're trying to rename.
ctypeX [no/nc]	ctype1 nc sets contact closure type of input #1 to normally closed	Configures the contact type for the input (nc = normally closed, no = normally open). Default state is no. X is either 1, 2, 3, or 4; dependent on what input you're trying to update.
delayX [Seconds]	delay1 60 sets delay of input #1 to 60s.	Sets delay time for input alarm in seconds from 0 - 9999. Default delay is 0 seconds for each input, meaning they trigger instantaneously. X is either 1, 2, 3, or 4; dependent on what input you're trying to update.
pwrdelay [Seconds]	pwrdelay 30 device won't send a message unless power is out for at least 30s	Sets power lost message delay in seconds from 0 - 9999. Default power delay is 5 seconds. Meaning power must be out for at least 5 seconds before a text message notification is sent.
name [Device Name]	name Jones Alarm sets name of device to Jones Alarm	Names the device up to 20 characters. Default name is "Your Alarm".
test		Sends a test message to all phone numbers configured in the unit.
silent [yes/no]	silent yes sets input alarm so that it will not sound beeper.	Enables or disables silent mode. When enabled, unit will not beep when input triggers. Defaults to no. Cannot be overridden locally, text only feature.
templow [°F]	templow 48 sets low temperature threshold to 48°F.	Sets low temp alarm threshold in °F.
temphigh [°F]	temphigh 99 sets high temperature threshold to 99°F.	Sets high temp alarm threshold in °F.
templow none		Clears low temperature alarm threshold.
temphigh none		Clears high temperature alarm threshold.



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## FULL LIST OF COMMANDS (CONT'D)

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Command	Example	Description
contractor [Name]	contractor Acme Plumbing	Sets the contractor name to append to end of alarm messages, up to 20 characters.
contact [Contact Number]	contact 5558001000	Sets the contractor phone number to append to end of alarm messages, up to 14 characters.
sponsor [Sponsor Name]	sponsor Acme Insurance	Sets the sponsor name to append to end of alarm messages, up to 25 characters. Contractor settings override sponsor messages.

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## TEXT MESSAGE SUMMARY

---

### INPUT ALARM

[Device Name] has detected an alarm condition for [Input Name] at 00:00AM on MM/DD/YY.

[Device Name] has detected a normal condition for [Input Name] at 00:00AM on MM/DD/YY.

### POWER FAILURE

[Device Name] has detected that electrical power was lost at 00:00AM on MM/DD/YY.

[Device Name] has detected that electrical power was reestablished at 00:00AM on MM/DD/YY.

### POWER BUTTON

[Device Name] was powered off at 00:00AM on MM/DD/YY.

[Device Name] was powered on at 00:00AM on MM/DD/YY.

[Device Name] was powered on with backup batteries at 00:00AM on MM/DD/YY.

### TEMPERATURE

[Device Name] has detected a high temp condition (## degF) at 00:00AM on MM/DD/YY.

[Device Name] has detected a low temp condition (## degF) at 00:00AM on MM/DD/YY.

[Device Name] has detected a normal temp condition (## degF) at 00:00AM on MM/DD/YY.

### BATTERIES

[Device Name] has a low battery at 00:00AM on MM/DD/YY.

[Device Name] has a critically low battery at 00:00AM on MM/DD/YY.

### TEST

[Device Name] is operating correctly at 00:00AM on MM/DD/YY.

### SETTINGS

Name: [Device Name]  
Phone1: [Phone #1]  
Phone2: [Phone #2]  
Phone3: [Phone #3]

Inp1: [Input Name],[NO/NC],[Delay] sec  
Inp2: [Input Name],[NO/NC],[Delay] sec  
Inp3: [Input Name],[NO/NC],[Delay] sec  
Inp4: [Input Name],[NO/NC],[Delay] sec

PwrDelay: [Delay] sec  
TempLow: [Temp] degF  
TempHigh: [Temp] degF  
Silent: [YES/NO]

Contractor: [Contractor Name]  
Contact: [Contact Information]  
Sponsor: [Sponsor Name]

## TEXT MESSAGE SUMMARY (CONT'D)

### STATUS

Input #1: [OK/ALERT!]  
 Input #2: [OK/ALERT!]  
 Input #3: [OK/ALERT!]  
 Input #4: [OK/ALERT!]

AC Pwr: [OK/NONE]  
 Batt: #.# V [OK/LOW/REPLACE]  
 Signal: -### dB [OK/WEAK]  
 Temp: ### degF [OK/LOW/HIGH]

### HELP

'Help' repeats this message  
 'Setup' to view setup commands  
 'Status' to view status  
 'Settings' to view settings  
 'Test' to receive a test message

### MESSAGE W/ CONTRACTOR SET

[Device Name] has detected an alarm condition for Input #2 at 11:41AM on 09/15/15. Contact [Contractor] at [Contact Number].

### SETUP

'Name [My Device]' names device, replace [My Device] with up to 20 chars  
 'PhoneX [#####]' sets phone num  
 'PhoneX none' clears phone num  
 X is 1 thru 3

'InputX [Name]' names input, replace [Name] with up to 20 chars  
 'CtypeX NO' sets input type to Normally Open  
 'CtypeX NC' for Normally Closed  
 X is 1 thru 4

'DelayX [####]' sets input delay up to 9999 seconds  
 'PwrDelay [####]' sets power loss delay up to 9999 seconds  
 X is 1 thru 4

### MESSAGE W/ CONTRACTOR SET

[Device Name] has detected a normal condition for Input #2 at 11:41AM on 09/15/15. This message brought to you by [Sponsor Name].

## 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
(1) 1sec Beep on/off toggle	Input alarm activated
(1) 1sec Beep	Power on (after activation)
(1) 1/4sec Beep Every 30S	Battery low or critically low
(1) 1sec 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

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## 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.

### Definitions:

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

**Blinking** - Light will toggle On/Off every second

### Status Light

Green Flashing	Sleeping because running 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
Green to Orange Flashing	Unit is in Mute Mode

### Low Battery Light

Off	Batteries normal
Flashing Red	Batteries low or critically low
Flashing Green Once	Low temperature detected
Flashing Green Twice	High temperature detected

### Input Lights

Off	Input in normal condition
Blinking	Input in alarm condition

**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.

## TROUBLESHOOTING

Message	Possible Cause(s)	Corrective Action(s)
Status light is on solid red	Insufficient cellular signal strength	Move device to an area with better cellular reception, away from metal objects, or higher elevation Locate the device to an interior wall, away from a wall that is adjacent to soil
Status light is flashing red quickly	An error has occurred	Power off the device for 10 seconds and then power it back on
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 device before replacing the batteries	Power off the device for 10 seconds and then power it back on
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 AA batteries are drained and can't power the device	Replace the backup batteries. Use only alkaline batteries Do not use "heavy duty" batteries
The alarm is going off even though the dual float switch is not submerged in water	The dual float switch is obstructed by debris	Check the dual float switch for debris, clear obstruction and reset device
	The input jack connecting to the device is loose or unplugged	Push connector into the device. Pull on connector to verify fully inserted
Text messages arrive out of order	Poor signal strength	Move device to an area with better cellular reception Contact customer service for assistance
	Cellular network congestion	No remedy
The 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

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## TECHNICAL SPECIFICATIONS

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- Dimensions: 6.7" W x 4.9" H x 1.9" D
- Weight: 1.1 lbs
- Operating Temperature: Varies based on battery chemistry and manufacturer
- Typical Alkaline Batteries: 0 degrees F to 120 degrees F
- Typical Lithium Batteries: -30 degrees F to 140 degrees F
- Operating Humidity: 0-90% RH, non-condensing
- Cellular Radio: CDMA Dual Band 1xRTT (CDMA2000) 800/1900
- Certifications: FCC Parts 15, 22, 24; RoHS compliant; IC: RSS-132 & 133
- Antenna: Integrated, on board
- Input Voltage: 110VAC +/- 20%
- Input Current: 0.1 A (max)
- Backup Batteries: Non-rechargeable, AA size, Requires 4 batteries
- Sounder: 2.9 kHz +/- 500 Hz, 100 dBA
- On Board Temperature Sensor: -30 degrees F to 140 degrees F, +/- 5% accuracy
- Sensor Inputs: (4) Conductivity sensing or contact closure. Safe to touch
- Sensors: (1) Conductivity sensors with 304SS electrodes; (1) Reed switch contact closure sensor
- User Interface: (1) on/off power and mute capacitive touch button, (1) push to test capacitive touch button, (1) Status LED, (1) Low battery LED, (1) Temperature Alarm LED, (4) Input alarm LEDs
- Enclosure: NEMA 1 for indoor, basement, or crawlspace. Not recommended for outdoor use

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## LIMITED WARRANTY

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Madison Company, Inc. ("Madison Company") warrants to You that Products will be free from defects in materials and workmanship under normal use and service for two (2) years from the purchase date. A claim under this Limited Warranty must be presented during the Limited Warranty period and within thirty (30) days after any covered condition has occurred. A claim under this Limited Warranty shall be satisfied by either, in Madison Company's sole discretion, repairing or replacing the Products and/or part. Replacement Products may be new or reconditioned.

To make a claim under this Limited Warranty, Madison Company must first issue You a Returned Material Authorization (RMA) number. This number can be obtained by calling Madison Company and a copy will be provided by email. A copy of the RMA must be included with any materials shipped to Madison Company. The entirety of Products must be sent back to Madison Company (unless specifically listed otherwise on the RMA form) and properly packaged to ensure against damage during shipping. If Madison Company determines that the claim is covered by this Limited Warranty, Madison Company will either, in its sole discretion, repair or replace the Products and/or part. Any damages not covered under this Limited Warranty will not be repaired until a written purchase order is received.

The Limited Warranty period shall not be extended by the replacement or repair of Products or parts under this Limited Warranty but the remaining Limited Warranty period shall continue in effect and be applicable to the replaced or repaired Products or parts under conditions of the Limited Warranty. Payment for cellular service covers only cellular transmission fees and in no way extends any portion of this Limited Warranty. This fee does not include out-of-warranty service or repair.

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## LIMITED WARRANTY (CONT'D)

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Upon expiration of the Limited Warranty period, all liability of Madison Company shall be terminated. This Limited Warranty does not apply in the following cases: failure to follow installation and operating instructions, misuse, alteration, abuse, accident or tampering, and repair by anyone other than Madison Company.

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**Madison Company**  
800-466-5383  
info@sensorsays.com  
M-F 8a - 5p EST  
27 Business Park Drive  
Branford, CT 06405