

## **Tank/Pump Control:**

If the SMS-4 or SMS-8 is being used as the tank controller with a SMS-2 used as the pump controller as per diagram on page 4, follow the below instructions.

### **SMS-T4 or SMS-T8 (Unit at the Tank)**

#### **If using a pressure sensor to monitor complete tank:**

Send the following commands (bold):

#### **Command: Set user**

Turn pot to low position (tank low)

#### **Command: Set low level**

Turn pot to high position (tank high)

#### **Command: Set high level**

**Command: Set xxxxx litres** (where xxxxx is the tank total litreage) e.g set 30000 litres

#### **Command: Set xxx litres low alarm**

(this is the tank level that you want the pump to turn on at ) e.g set 1000 litres low alarm

#### **Command: Set xxx litres low alarm reset**

(this is the tank level that you want the pump to turn off at ) e.g set 29000 litres low alarm

#### **Command: Add user xxxxxxxxxxxx**

(this is the number of the sim card in the pump controller SMS-2)

See page 8 of the manual (Adding a user)

#### **Command: Set xxxxxxxxxxxx as pump controller**

(where xxxxxxxx is the same number as above)

## **If using a low and high float switch in the tank:**

Connect low float switch to input1 and high float switch to input2

Float switch must be normally open closing when water is present.

**Command: Set user**

**Command: Add user xxxxxxxxxxxx**

(this is the number of the sim card in the pump controller SMS-2)

See page 8 of the manual (Adding a user)

**Command: Set xxxxxxxxxxxx as pump controller**

(where xxxxxxxx is the same number as above)

**Command: Set float mode**

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## **SMS-2 (Pump controller) (Unit at the Pump)**

Send the following commands:

**Set user**

**Set pump mode**

**Note: Connect the pump to output1**

## **Fail safe Pump time Out:**

As long as the tank level is below the predefined high level, a periodic refresh command will be sent to the SMS-2 instructing it to continue pumping. This refresh will be sent by the SMS-T4/8 every 10 minutes or until the high level has been reached. If the pump controller (SMS-2) does not receive this refresh text after 15 minutes, it turns the pump off. This automatic feature is a failsafe override. This is the default mode for the system operation.

If you require this feature, then send the following text to **BOTH** the SMS-2 and the SMS-T4/T8 units.

**Command: Pump timeout on**

To turn this feature back off, send the following text to both units:

**Command: Pump timeout off**

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## **To Finish:**

Once you are happy with the system you can stop the tank low and reset texts from being sent to the original user (the number that sent **Set User (your phone)**).

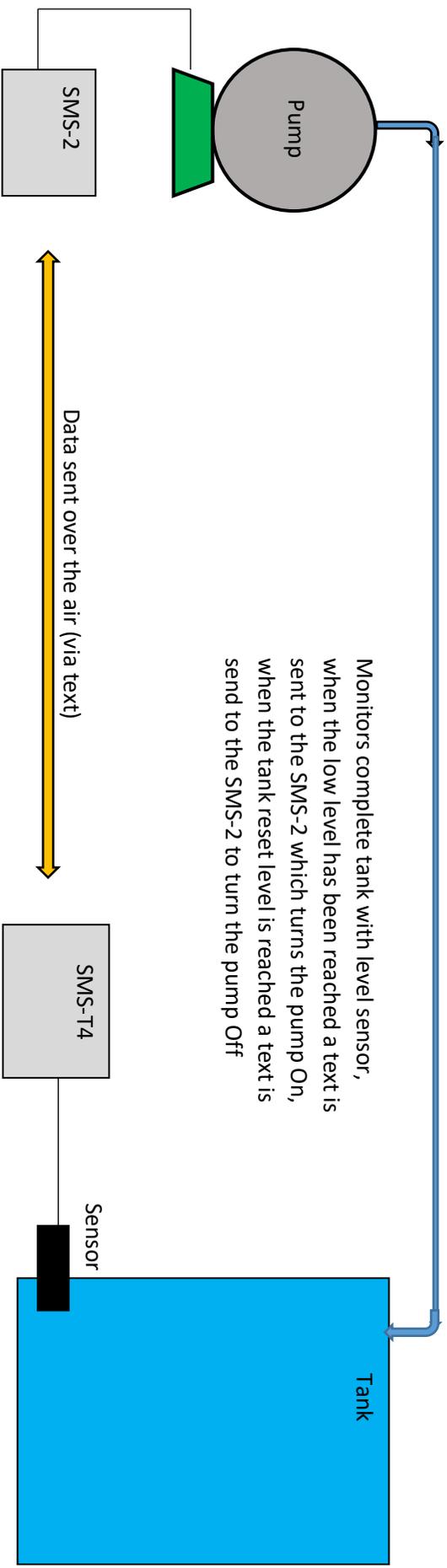
This will mask the tank low & reset texts, but you will still receive texts about the other inputs.

**Command: Set +??XXXXXXXX** inputs 1,2,3 (this will mask the tank low & reset txts) See page 12,

**Or**

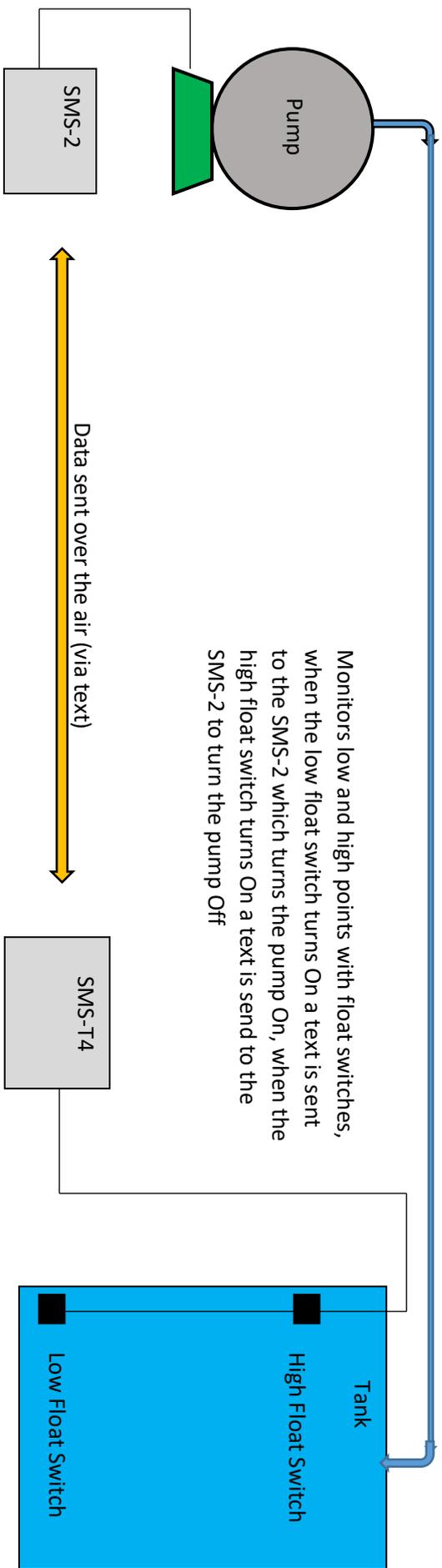
This will remove the number entirely and you will **not** receive texts from any other inputs

**Command: Remove user +????????????? (the number that sent Set User)**



Monitors complete tank with level sensor, when the low level has been reached a text is sent to the SMS-2 which turns the pump On, when the tank reset level is reached a text is send to the SMS-2 to turn the pump Off

OR



Monitors low and high points with float switches, when the low float switch turns On a text is sent to the SMS-2 which turns the pump On, when the high float switch turns On a text is send to the SMS-2 to turn the pump Off