



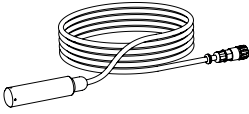
 **FarmSense**

# WATER TANK LEVEL SENSOR INSTALLATION GUIDE

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# INSTALLING A SENSOR HUB AND WATER TANK LEVEL SENSOR



## REQUIRED IN THIS STEP:

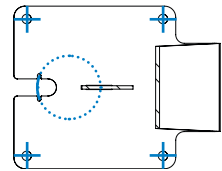
- 1 x Water Tank Level Sensor and
- 1 x Sensor Hub (any model)
- 1 x Sensor Hub bracket
- 1 x Mounting hardware kit
- Antenna/s

## TOOLS REQUIRED

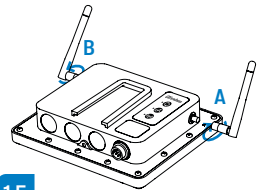
- 32mm hole saw
- 3mm drill for plastic tanks or 6mm drill for concrete tanks
- Cordless drill
- Phillips screwdriver or bit
- Marker Pen

**NOTE:** If installing a new Sensor Hub then please follow the instructions in the Sensor Hub User Guide that came with that unit to setup and pair it first.

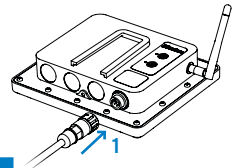
- 1.1** Select a suitable location on your water tank to mount the Sensor Hub that is:
  - North facing in direct sunlight.
  - Above the maximum water level.
  - Has line of sight to the WiFi Adapter or other Sensor Hubs, or for Sensor Hub 4G models has mobile network coverage.
- 1.2** Make a hole or series of holes to fit the Water Tank Level Sensor.
- 1.3** Using the bracket as your guide, align the notches to the edge of the hole, mark the screw holes at each corner – this way the bracket will cover the hole when installed.
- 1.4** If mounting to a plastic tank, you may want to drill smaller pilot holes now. If mounting to a concrete tank, drill and install the 6mm nylon anchors supplied in the mounting hardware kit to the tank.
- 1.5** Connect the antenna/s to the Sensor Hub. If installing a Sensor Hub 4G model, ensure that the antenna with a blue band is installed on the left side labelled 'B' when the unit is face down. They should be finger tight.
- 1.6** Connect the Water Tank Level Sensor to Connector 1 (or the next free connector) on the Sensor Hub, the push-lock connector will "click" when it is correctly installed. The Sensor Hub will power on and beep twice.



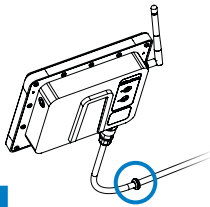
1.3



1.5

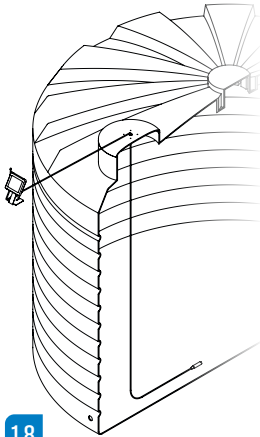


1.6



1.7

**1.7** Locate the sliding grommet on the Water Tank Level Sensor cable and slide this to the Sensor Hub connector end of the cable.



1.8

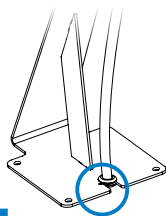
**1.8** Ensure the Water Tank Level Sensor is connected to the Sensor Hub and feed the Water Tank Level Sensor and the remaining cable into the tank.

**1.9** Slide the Water Tank Level Sensor cable grommet into the slot on the base of the mounting bracket. Don't bend the cable too tightly, minimum radius 100mm.

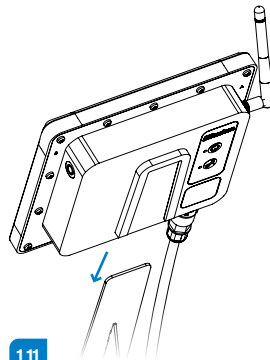
**1.10** Screw the mounting bracket to the tank using the screws provided in the mounting hardware kit.

**1.11** Slide Sensor Hub on to the secured mounting bracket.

**1.12** The Network LED will indicate if the unit has successfully communicated with the WiFi Adapter or other Sensor Hubs, or for 4G models the 4G LED will indicate if the unit has successfully communicated with the mobile network. It may take up to 15 minutes for the unit synchronise to the network. If the power LED is not on, tap the network button to wake up the LED's.



1.9



1.11



POWER



NETWORK



WIFI



4G

1.12

## WARRANTY

All FarmSense products are warranted to be free from defects in material or workmanship for a specified period from the original date of purchase.

The specific warranty periods are 12-months from the date of purchase.

The terms of the warranty are that the product is fit for its intended purpose, provided it is used in a proper manner and according to the manufacturer's instructions.

In particular, the warranty does not cover non-agricultural or non-residential use.

Warranty exclusions include (but are not limited to):

- product failure outside the warranty period;
- physical mishandling, misuse, abuse or negligence;
- "acts of God" and/or "force majeure" (e.g. lightning, flood, fire, theft, etc.)
- water immersion or ingress beyond stated IP rating;
- contamination by chemicals (e.g. battery acid, etc.)
- improper power supply (e.g. incorrect voltages; surges; transients; etc.)
- attempted repair or modification by a non-authorized repair agent;
- cosmetic or surface corrosion;

- factory serial number / date-code removed or made illegible;
- damage caused by 3rd party systems or components (e.g. data network voltages, etc.);
- data loss. (Please ensure data is backed up regularly.)

If a product failure occurs within the warranty conditions then please contact FarmSense to arrange for a return to manufacturer authorisation (RMA) and instructions. A proof-of-purchase must accompany all warranty claims. The warranty liability is limited to repair, replacement or refund of the faulty product, at FarmSense's discretion.

If a product failure occurs outside of the warranty conditions, please contact FarmSense to discuss repair or replace options at FarmSense's discretion.

FarmSense, their Distributors, and their Dealers accepts no responsibility for the misuse of this product or for any accident caused by any tampering, modification or misuse of this product.

This warranty does not affect your statutory rights.

To submit a warranty claim, please visit [farmsense.nz/warranty](https://farmsense.nz/warranty)