



Industrial IoT Connectivity & Controls

ReignGauge Installation Guide (V2)

Technical Documentation

662-438-3266 · dcon-rmc.com · sales@dcon-rmc.com

DCon — an RMC brand. This document is being rebranded; technical content remains current.



ReignGauge Tank Monitor Installation Instructions



Included Parts

- ReignGauge Controller
- Internal or External Tank Sensor
- Activation Magnet

Note: Please follow all required site safety guidelines before installing this equipment.

**Need Installation Help? Call us at 833.467.3446
Ext 1 or email support at
support@reignrmc.com**

Internal Tank Sensor Installation



1. The tank sensor installs into a 2" NPT bulkhead fitting.
2. If there is no debris or sludge on the bottom of the tank (typically in water or chemical tanks), the sensor can rest on the bottom of the tank, with the excess cable laying on the bottom.
If sludge or debris is on the bottom of the tank, you will want to raise the sensor above the sludge for accurate readings (often, this occurs in Oil & Gas production). Drop the sensor down until it is about 18 inches above the bottom of the tank. This will require you to tie off the cable inside the tank.
3. Screw down the control unit into the 2" NPT fitting until snug (do not overtighten).
4. Follow **Power Up the Tank Monitor and Calibration** on the next page to start the device.

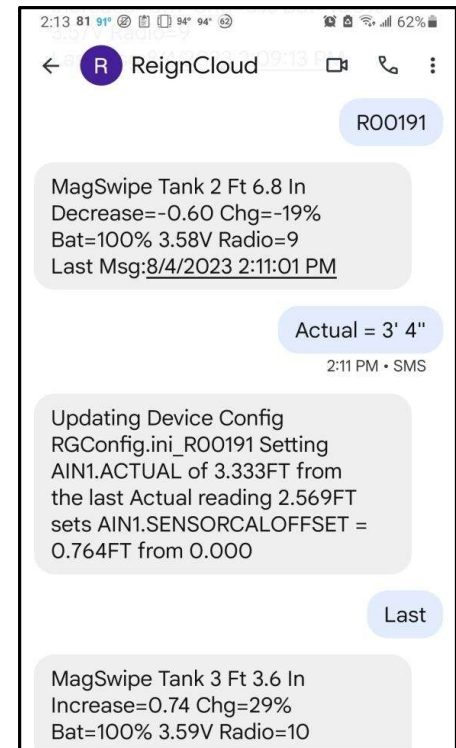
External Tank Sensor Installation



1. The external tank sensor mounts in a 1/4" NPT port near the bottom of the tank
2. Add a process port adapter kit with a 1/4" NPT female port facing up towards the top of the tank.
3. Screw the sensor into the 1/4" port until snug (do not overtighten).
4. Attach the control unit to the side of the tank with industrial Velcro, or double-sided tape, or use a 2" cable clamp.
5. Follow the **Power Up the Tank Monitor and Calibration** to start the device

Power Up the Tank Monitor and Calibration

1. Activate the Tank Monitor after installing it at the proper location. Hold the included magnet **horizontally** to the area on the top of the device where you see **SWIPE TO SEND** for 10 seconds until the POWER light comes on Green.
2. The unit should send in a reading. The POWER light should remain Green, and the CELL LINK light will flash Green. Both lights will go off when it has completed the transmission.
3. To verify the unit is sending, you can text the unit's ID (usually a 6-character id starting with **R** and then a number) to [844-647-3446](tel:844-647-3446). It should return a message like the one shown. Look at the Last Msg date and time; that should be the time when you swiped the magnet.
4. Calibrate the Tank (required if the sensor is above the bottom). Measure the Actual fluid depth in the Tank. Using the Text connection in Step 3, text **ACTUAL =** followed by the measured Tank Depth in feet and inches, or decimal feet). This can be entered as 3' 4" or 3 ft 4 in, or 3.33 ft.
5. Swipe the magnet (briefly hold it to **SWIPE TO SEND**). After it has sent in the reading, enter the text command **LAST** to read the latest reading sent in from the device.
(Note: Any user can text the device 30 minutes after swiping the magnet. You can contact Reign support to add your cell number to the authorized caller list to access anytime)



**Having Trouble? Call us at 833.467.3446 Ext 1
or email support at support@reignrmc.com**