

UTM® INSTALLATION BEST PRACTICES

Welcome to your UTM® solution. Here are best practices and guidelines we recommend to install our monitors:

Step 1

Gather Required Equipment

- / UTM Device (Tank Monitor)
- / Mounting Bracket
- / R3D Sensor Cable for Port A
- / Sensor Plug for Port B
- / Activation Magnet Tool

Best Practice:

- / Ensure the technician is trained and certified.
- / Gather the device info so it can be connected to the correct customer account in the Tank Utility portal.
- / Use the deploy flow in the Tank Utility portal.

Step 2

Connect Sensor to Remote Ready Dial

- / Insert the Rochester R3D Sensor into the “Remote Ready” dial cap and make sure it is fully seated.

Best Practice:

- / Connecting sensor boot to dial prior to connecting the monitor ensures the first reading is correct.
- / Confirm dial is clean and free from debris prior to attaching sensor.
- / The type of dial should match the tank:
 - Above ground horizontal tank: Tabbed Junior, Tabbed Senior, Drop In 5% & 30%, Snap On
 - Above ground vertical tank: Tabbed Junior, Tabbed Senior, Drop In Type A, Snap On
 - Below ground Horizontal tank: Tabbed Junior, Tabbed Senior, Drop In 5% & 30%, Snap On

Step 3

Connect Sensor Cable to Socket A

- / Plug the sensor cable connector firmly into Socket A of the UTM.
- / Press hard so the o-ring compresses and seals.



- / The red LED should begin flashing, showing a communication attempt.

Step 4

Protect Socket B

- / Insert the port plug into Socket B of the UTM.
- / Press firmly so the o-ring compresses to prevent water ingress and potential monitor failure.

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Step 5

Attach Mounting Bracket

- / Attach bracket to the back of the UTM:
 - Place top edge of bracket first, then rotate bottom until it clicks.
 - Ensure the sensor cable is routed through the bracket channel.

Best Practice:

- / Check to confirm that both sensor cable and plug are well seated before snapping bracket into place – the o-rings need to seal to protect against monitor failure.

Step 6

Mount Monitor to Tank

- / Place monitor where least obstructed:
 - **Horizontal Above:** Mount on the top of the tank, at least 6 inches from metal fittings (tank lid, valves).
 - **Horizontal Below:** Mount above the tank dome (on plastic domes, use a bracket with all-weather velcro).
 - **Vertical:** Mount on the shoulder of the tank.

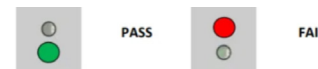
Best Practice:

- / Form a drip loop in the cable so water wicks away from the monitor.

Step 7

Confirm Transmission

- / The green LED will appear solid when a successful reading is transmitted.
- / Troubleshooting:
 - If the **RED LED** is solid, the monitor did not connect and a retry is needed.
 - If the tank level reported is incorrect and is approximately 50% then a retry is needed.



Step 8

Retry/Restart Activation (if needed)

- / If monitor did not connect or tank level is reported incorrectly:
 - 1** - Confirm that sensor is well seated in dial and is free of debris.
 - 2** - Hold the activation magnet directly to the left of the LEDs for 6 seconds.
 - 3** - Release magnet after Red & Green LEDs turn solid.
 - 4** - Red LED begins flashing = communication attempt in progress.
- / If after 2 unsuccessful tries the monitor still fails to connect, location may not be suitable — contact support for a satellite-capable monitor.