

# **WESROC® RMS Cellular Tank Monitor (CTM)**

## **Models MT-9100CTM and MT-9103CTM - Quick Installation Guide**

1] Complete the CTM Installation Information Worksheet on the reverse side of this document and send it to your WESROC host administrator. *You MUST record the CTM serial number on the worksheet to match the installation location to the monitoring hardware.*

2] If not already present, install the correct Rochester remote ready dial or ITC large dial assembly on the tank gauge. *Remote ready dials and large dial assemblies are available for a wide variety of gauge types.*

3] Remove the CTM from the box and make sure the small round programming magnet is secured in the OFF position on the CTM enclosure. (Off mode.)

4] Mount the CTM on or near the tank to be monitored using the attached mounting magnets or a mounting bracket. *Try not to place the CTM right next to a vertical metal object such as a tank dome or hood. Cellular signal reception will be affected by distance and by obstructions such trees, mountainous terrain, buildings, metal structures, large vehicles parked nearby, etc. The best signal reception will be achieved with a line of sight path between the CTM and the cell tower. This is rarely the case in the real world, but should be kept in mind when selecting a mounting location for the CTM. Versions of the CTM with a longer sensor cable allow for mounting the CTM a few feet away from the tank to improve cellular reception.*

5] Connect the CTM sensor cable to the remote ready dial. Large dial installations use an in-line connector to attach the CTM to the dial. *When attaching the connector, make sure the connector is fully seated and that the locking ring has been fully turned to ensure a weather tight seal.*

**6] (Option A) Force a configuration report to Host using the default CTM configuration settings.**

- Remove the programming magnet from the OFF position on the CTM and step away. (Normal mode.)  
*Do not block the cellular signal with your body while the CTM is reporting to the Host.*

**6] (Option B) Make CTM configuration settings changes and force a configuration report to Host.**

- Place programming magnets in the OFF and INIT positions on the CTM. (Configuration mode.)
- Make system and application configuration changes using a WESROC Portable Diagnostic Unit (PDU).
- Remove both programming magnets from the CTM at the same time and step away. (Normal mode.)  
*Do not block the cellular signal with your body while the CTM is reporting to the Host.*

The CTM will now perform a configuration report to the Host. A report is typically completed in less than a minute, but can take up to 3 minutes under weak cellular signal conditions. *The CTM does not provide any direct feedback regarding report success or failure; therefore it is recommended to use a handheld PDU when performing CTM installations.*

7] Once a successful report has been completed, secure the sensor cable using the appropriate fasteners (cable ties, etc.). *Route the sensor cable to make sure the cable will not be damaged by a moving object such as a tank dome or hood.*

**8] (Optional) Initialize the CTM to a WESROC Base Unit if you are using the local display feature.**

- Place a programming magnet in the INIT position on the CTM. (Initialization mode.)
- Place the Base Unit into Initialization mode.
- Wait for the CTM tank level to appear on the Base Unit display.
- Remove programming magnet from the CTM, and return the Base Unit to normal operation.

*Remove all programming magnets from the CTM enclosure before leaving the installation site.*

*Refer to the WESROC Cellular Tank Monitor Operation Manual for more detailed operating instructions.*

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## **Compliance Information**

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

This product meets the applicable FCC Part 15 rules and Industry Canada's license exempt RSSs. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent matériel est conforme aux CNRexempts de licence d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne peut pas provoquer d'interférences, et (2) cet appareil doit accepter toute interférence, y compris celles susceptibles de provoquer le fonctionnement du dispositif

# WESROC<sup>®</sup> RMS Cellular Tank Monitor (CTM)

## Installation Information Worksheet

REQUIRED INSTALLATION INFORMATION!!!	
<b>CTM Serial Number</b>	(S/N can be found on bottom of CTM enclosure.)
Customer Name / Location	
Street Address	
City / State / Zip	/ /
Tank Capacity	_____ Gallons (or total manifolded gallons)
<b>Optional Information:</b>	
Time Zone (Circle One)	EST / CNT / MNT / PAC
Route / Stop	/
Tank Serial Number	
Tank Access/ Description	(Ex. Generator/Diesel/South)
<b>Tank Event Settings</b>	
	Default Setting / Or Specify Value
Tank Critical Low Alarm	15% /
Tank Warn Low Alarm	30% /
Tank Draw Event Alert	10%/hr /
Tank Fill Event Alert	10%/hr /
<b>Contact Information</b>	<b>Your Company</b> (If blank we will copy from last install or matching route)
Corporate Email List	
Configuration Text Alert	
Yes / No	(If yes include 10 digit cell number & carrier)
<b>Technician Contact Information</b>	
Fuel Company Name	
Tech Name / Phone #	

**Complete and Fax this Worksheet to (402)426-3705 or email elisha.garcia@itcmail.net**