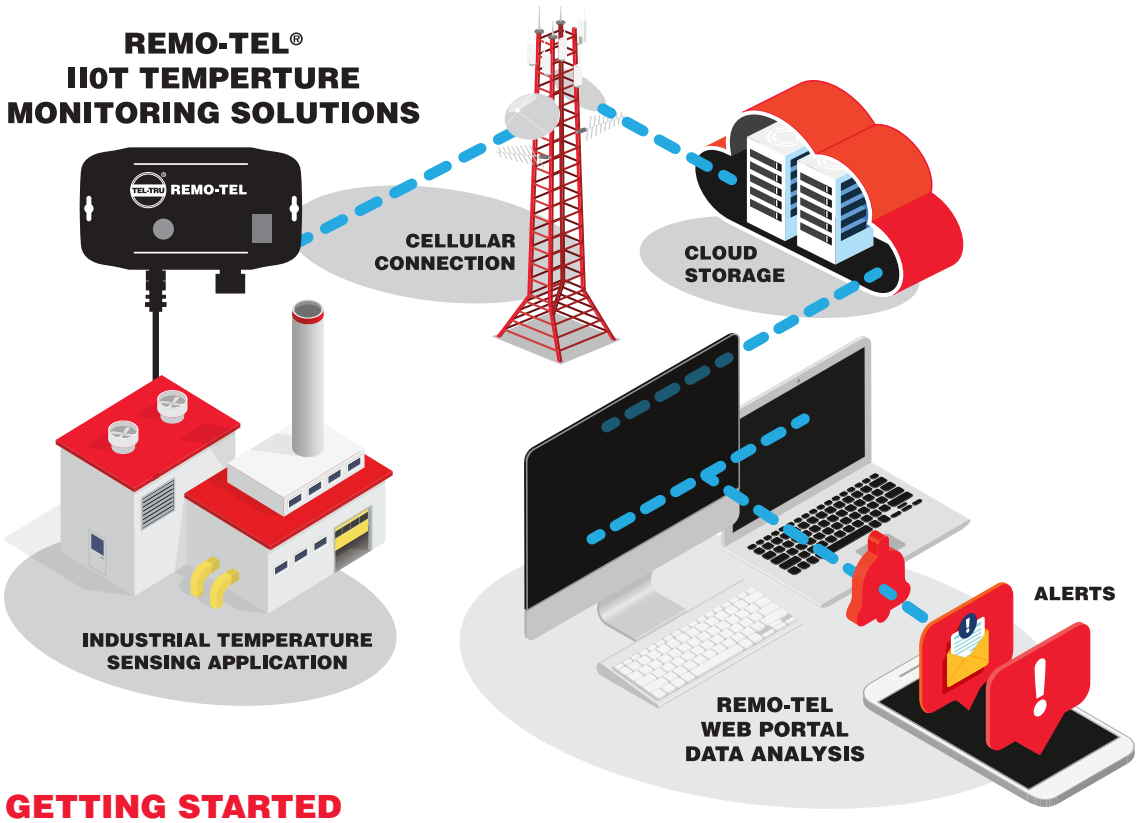
REMO-TEL™ INDUSTRIAL INSTRUCTION MANUAL

TEL-TRU® TEMPERATURE SOLUTIONS

Customer Focused Since 1916.

The Remo-Tel is a temperature monitoring device that uses cellular signals to relay data to a cloud service that tracks temperatures online.



1. GETTING STARTED

1.1 Registering a Device

1.1.1 Go to www.teltru.com/remotel

- Click on “Login” at the top of the page
- Click on “NEW MEMBERS SIGN UP HERE”
- Follow instructions for setting up a new account

1.1.2 Adding Organizations and Devices

- Click “Add Organization” and fill out the form
- Select “Add Device” under your selected organization
- Enter the unique alphanumerical Serial Number (located inside the enclosure, below the QR code)
- Enter your payment method for you device subscription

Quick Start Video:
https://www.youtube.com/watch?v=S4QPI-ZeCRs

Registration Video:
https://youtu.be/fQ031JEWpUs

1.2 Power Button/LED Status Light

1.2.1 Powering ON and Startup Sequence

- Plug the power cable into an outlet and the device will power on and the LED status light will start flashing yellow, which will begin the initialization process.
- After about 5-10 seconds, the LED should change to a blinking green to signal that the device has established a connection with the nearest cell tower and is registering with the server.
- After another 5-10 seconds, the LED should change to a slow flashing blue to signal that the device is normally operating and actively monitoring the environment.
- Once the device has completed its startup sequence, the first temperature data point will be collected and uploaded to the Remo-Tel Online Dashboard.
- NOTE: After the device is first powered on, it will take 30 minutes for temperature alerts to be sent out, as the sensors need time to adjust to the environment.

1.2.2 Powering OFF and Resetting

- To power off the Remo-Tel, first unplug the device, then press and hold the power button until the LED status light turns off.
- To reset the Remo-Tel, you can leave the device plugged in, just press and hold the power button until the LED status light turns off. In a few seconds, the device will power back up and restart its initialization sequence.

2. INSTALLATION

2.1 Mount Device

- Mount the device to a wall in a location that is near both and outlet and your process to be monitored.
- Do not place cables in tension. Extension cords may be used if necessary.

2.2 Install Probe

- Install the sensor cable by threading the male end into the mating M12 connection on the bottom of the device enclosure.
- If installing a probe with a threaded process connection—first install the probe on your process, then thread the female end of the sensor cable to the mating M12 connection at the top of the digital probe. This prevents the cable from tangling.
- If installing a plain probe with no process connection, you can zip-tie it to the outside of a pipe and then insulate over it.

3. LED STATUSES

Signal	Status	Notes/Action
Solid blue	Device is working normally and actively monitoring the environment	Normally operating
Quick flashing blue	Upload of data or alert	You will see new data on the dashboard or receive an alert
Flashing yellow	Device is initializing	Normal start-up when initializing
Solid yellow	Subscription plan not started	Activate your subscription plan
Flashing green	Device is connected with the nearest cell tower and is registering with the server	Stage two of the start-up sequence
Solid green	Device is connected to the server, but cannot detect the sensors	Reset device. If issue persists, email customerservice@teltru.com.
Solid red	No cellular reception	Try a different location for better reception
Red/Yellow Alternating Flashing	Device is not registered or subscription service has not started/expired	Register your device or update subscription plan
Red/blue alternating flashing	Sensor unplugged or not working	Reset device. If issue persists, email customerservice@teltru.com.
Green/blue alternating flashing	Device is downloading new firmware	DO NOT REMOVE POWER during this process
No light	Device has been turned off or the battery is dead	Restore power or charge battery

4. NAVIGATING THE REMO-TEL DASHBOARD AND VIEWING DATA

4.1 Remo-Tel Organizations

Organizations can be helpful if your company consists of multiple locations and/or facilities.

- **Create an account and log in at https://remotel.teltru.com/**
  See video tutorial here: https://youtu.be/fQ031JEWpUs
- **Once you've created an account you can login at the link at the top right of Tel-Tru website**
- **Under Account Information, click "View Your Remo-Tel Organizations"**
- **Click "+ Create"**
- **Set a name for the organization**
- **Once created, you can add Sub-Accounts for additional personnel that need to view the dashboard**
- **If installing a plain probe with no process connection, you can zip-tie it to the outside of a pipe and then insulate over it.**

– Set their User Role and permissions

- User
- View device data
- Change device properties (if permitted)

- Manager – same permissions as a User, plus:
- Add/remove sub-accounts
- Assign permission to users to access specific devices
- Promote/demote users/managers

- Leader – same permissions as a Manager, plus:
- Add/remove devices
- Change organization properties
- Manages payment
- Only one leader per organization (the creator)

– They will also need to create an account at **https://remotel.teltru.com/** to view the dashboard

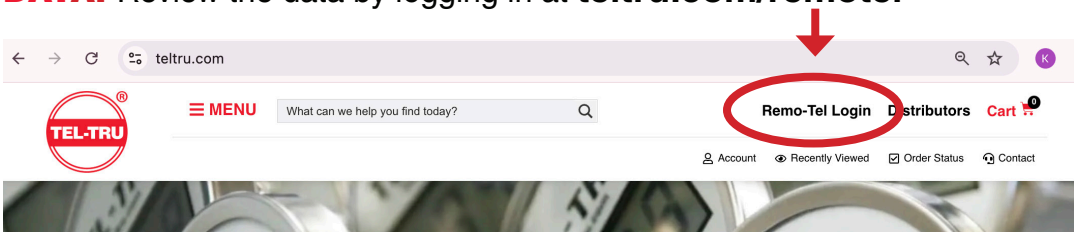
- **Add Devices to your Organization**

– Enter the unique alphanumerical Serial Number (located inside the enclosure, below the QR code)
– Fill out the rest of the form
– Click "Add Another Device" or "Continue to Payment"

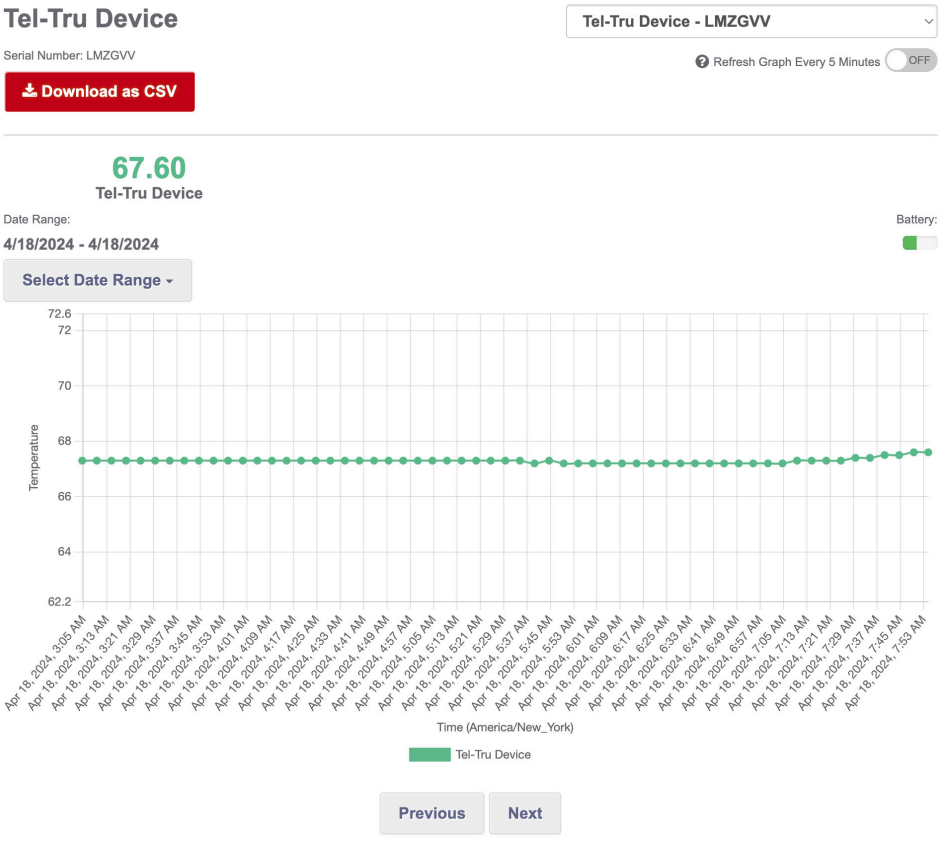
4.2 Device Settings

- **Click "Settings" next to an activated device**
- **Click "Edit" next to each sensor to set a new name and descriptive location**
- **Under "Alerts", you can set the desired temperature safe range for each sensor**
  – Click "Edit" next to each sensor
  – Enter the maximum and minimum temperatures
  – Units are in Fahrenheit
- **Under "Notifications", you can set which users will receive alerts**
  – Click "Add Notification"
  – Select Alert Type
  – Select Notification Type
  – Enter email or phone number
  – Enter a message to be displayed or read aloud when your Alert Type is triggered

DATA: Review the data by logging in at **teltru.com/remotel**



- **Click on "View Data" next to a device**
- **If the device is powered on with an active subscription, you will see a graphical representation of the data**
- **Click "Select Date Range" for preset ranges or enter a custom range**
- **Click "Previous" or "Next" to index the day, week, etc.**
- **Click "Download as CSV" above the graph to download the data for the selected date range into a comma-separated value file which is readable in Microsoft Excel**
- **Click "Refresh Graph Every 5 Minutes" if you are actively monitoring the device**
  – This automatically refreshes the page every 5 minutes



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