

# Yeltech

## Yeltech's Remote Rail Temperature Monitoring System

Yeltech introduced an automatic temperature warning system which allows you to monitor the track temperature remotely, without going trackside, keeping boots off ballast!

Founded in 2004, Yeltech has succeeded in understanding industry needs, where there is a need to negate the risk of injury or loss of life. By creating innovative solutions that measure conditions remotely, Yeltech is fast becoming an industry leader in remote condition monitoring solutions.

Yeltech produces a range of innovative products offering practical and cost-effective solutions to all our customers around the world.

We work within a range of industries, including rail, water, buildings, structures and environment.

### How Does It Work?

The Rail Temperature Monitoring Unit (RTMU) is installed at the web of the rail and is immediately secured with the high-strength magnet. When the device makes contact with the surface, the activation sensor is triggered turning the device ON. When the device is removed from the surface the same sensor is triggered to turn the device OFF.

The RTMU is programmed to transmit the data on specific instructions with an internal threshold of 25°C. The device will feature predetermined transmission rates.



Normal rate is when the RTMU wakes up and sees the temperature below 25°C, it will store the data and then send the bulk of readings/data every 12 hours. Fast rate of the RTMU is when the temperature exceeds the threshold of 25°C and the CRT alarm thresholds that have been set. When the RTMU wakes up, if the temperature is above 25°C, then it will keep transmitting data to the server every 30/60 minutes.

All data is accessible through the Yeltech app if specified or through a web server allowing you to easily identify your device and the temperature measurements.

**Key features & benefits:**

Accurate rail temperature data, allows you to identify when speed restrictions need to be put in place.



Low power battery, cable free, and completely mobile.



Super lightweight design with magnetic plate that can easily be fitted within seconds.



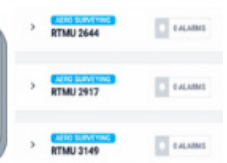
When the outlined alarm has been reached, a warning will be sent to the desired recipient via text or email.



Easy access to Yeltech online server to view and measure data.



Readily available App to locate and measure all your RTM's on the go and get real-time data.



**Technical Bit**

- Lithium battery-powered 13Ah 3.6V
- Up to 3 years continuous operation
- Readings/alarms sent via GSM/email
- Compatible with Network Rail II system
- Configure settings via text message
- Operation temperature -20 to +70 °C

**After-sales Service**

**Service & Calibration**

Yeltech would recommend that the RTM is sent back for a health check and re-calibration each year.

**Technical Assistance**

Yeltech is available to help with the RTMU, be it problem solving or operational training. Yeltech is also available to visit your depot and carry out training for your employees.

**How big is it?**



For more information contact Yeltech

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[yeltech.co.uk](http://yeltech.co.uk)

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**Watch our video to find out more about our RTMU**

