

Upgrades to Real-Time Logger Functionality Enhance Overall Effectiveness

Overview

DeltaTrak Real-Time Logger (RTL) devices offer a robust suite of features tailored for the precise monitoring of perishable shipments. When combined with FlashTrak Cloud Services, users are provided with real-time insights into temperature conditions, ensuring the preservation of temperature-sensitive cargo. Real-time devices also offer comprehensive location tracking capabilities, facilitating route optimization and delivery time estimates. DeltaTrak real-time devices include a configurable alert system, which can be programmed to trigger notifications in response to predefined events, and onboard PDF files for off-line data accessibility.

DeltaTrak is committed to constant innovation, providing solutions in response to and anticipation of customer requirements. To that end, several significant upgrades have been made to the functionality of DeltaTrak real-time loggers:

- ▶ Wi-Fi Location Services
- ▶ Faster Light Event Uploads
- ▶ One Button Activation

Wi-Fi Location Services

Wi-Fi location services leverage specific hardware, software, and cloud services to determine a device's geographical position. Wi-Fi typically offers more accurate positioning of a device, when located in a densely populated area.

Various providers offer location services, with varying degrees of accuracy, depending on the databases, algorithms, and signal analysis used. DeltaTrak uses Google Maps Location Services, which utilizes triangulation of Wi-Fi access points for device positioning. Our loggers have been designed with certain embedded technology to facilitate the identification of shipment location. Each logger contains a Wi-Fi chip and a SIM card, which are used to provide a network ID and a cell tower ID to DeltaTrak's cloud service platform, FlashTrak. Wi-Fi networks, in conjunction with cell towers, offer a way to maximize location accuracy.

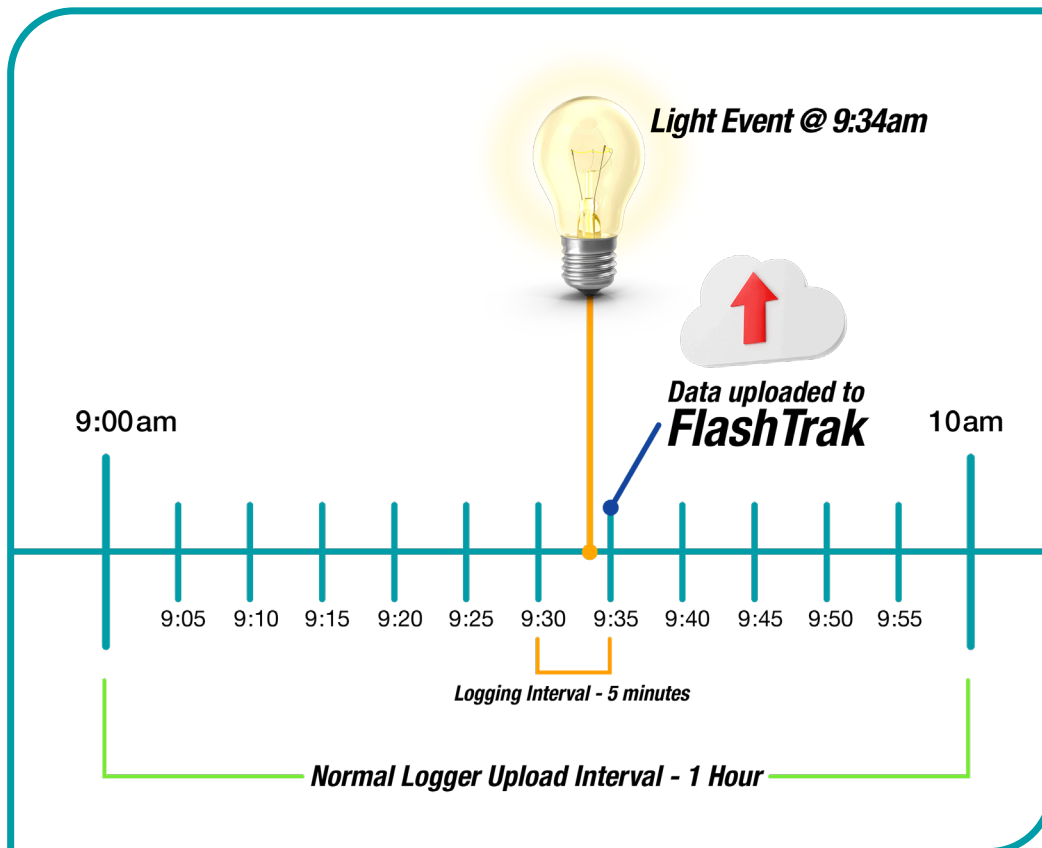
Faster Light Event Uploads

Monitoring light exposure offers users a method for identifying possible cargo tampering or theft. The data provided by FlashTrak shows where and when scheduled and unscheduled container door openings occurred.

In previous RTL versions, the timing of a light event upload to FlashTrak coincided with the logger's data upload, which could be as little as 15 minutes or as much as 2 hours, depending on the model. Going forward, if a light event is triggered, all previous data acquired since the last upload interval will instead be sent to FlashTrak at the next logging interval, which can be from 5 minutes to 10 minutes.



This includes temperature, light and other sensor readings. This upgraded light event upload process can occur no more than 5 times per trip duration. Prompt notification of unscheduled door openings will provide an opportunity to make appropriate inquiries and mitigate losses.



Single Button Activation

The new single button model is still activated as it was on past models and the user experience of starting a device has not changed. The airplane button has been removed, and the corresponding airplane mode function will no longer be available on real-time logger model 22390-04. For customers who transport goods via air, real-time devices labeled AIR will continue to offer an airplane mode and they now come with air pressure sensors to stop transmission of data during flight automatically. These devices will also still have the airplane button as a secondary shut off option

These new RTL capabilities will undoubtedly improve location accuracy, reliability, and availability of data.

Questions?

Please contact your Sales Representative or Technical Support at: 1-800-390-0804 or techsupport@deltatrak.com

