

FEATURE OF THE MONTH

RADIO EXPANSION BOARDS (REBs) FOR THE SR-3 CONTROLLER

Available on the SB-30 Series Trailer Units

Thermo King SB-30 series trailer units began shipping with SMART-REEFER™ 3 (SR-3) controllers in February of this year. This controller allows for seamless integration with the new Radio Expansion Boards (REBs) recently released.

REBs are printed circuit board expansion cards that plug directly into the SR-3 controller and enable two-way communication between the unit and Thermo King's TracKing GPRS system or 3rd party telematics solution providers.

Currently, there are two different REBs available: configuration A and B. These REBs differ in functionality and are outlined below:



REB Configuration	i-Box	Function Cellular TracKing	GPS	Factory Option No.	Aftermarket Part No.
A	X			069143	40-1136
B	X	X	X	069144	40-1137

Prior to the release of the SR-3 controller and REBs, connecting to TracKing or 3rd party providers required an external box that was installed along with a harness to connect to the controller. Now, for an SB-30 series SR-3 unit, these additional devices are no longer needed because REB options are available both from the factory and as an aftermarket product.

For controllers prior to SR-3, external TracKing or i-Box products can still be used. Until all REB configurations are released, the TracKing and i-Box products will still be used in some instances, including satellite TracKing applications

and select rail applications which require 3rd party control to activate the automated fresh air feature.

WiFi and PAN (Personal Area Network, e.g. Zigbee) functionality is scheduled to be released in the first quarter of 2012. WiFi enables the same functionality as cellular communication over short distances, while PAN works with wireless sensors (e.g. door switches) in very close proximity to the refrigeration unit.

REB technology enables easy integration with SB-30 series trailer units for current and future connectivity needs.

FAQs about REBs:

- 1) Can I purchase a factory-installed or aftermarket REB and not have it activated until I want it to be?

All REBs are activated before they are shipped, and therefore, receiving a non-activated REB is not currently available.

- 2) Does the REB i-Box allow automated fresh air (Rail)?

No. The previous i-Box version (factory option 069091) is required to control the automated fresh air option via third party telematics providers.

- 3) Is there an REB i-Box that only has one-way communication?

No. The REB i-box allows 2-way communication. However, the customer may elect to use only one-way communication.

- 4) If I purchase a configuration A or B REB now, how can I upgrade to receive PAN or WiFi features?

To upgrade to PAN or WiFi functionality, a different REB will be required. This functionality is still under development, and specifics on how customer will upgrade existing REB's to include WiFi and PAN will be announced as we get closer to the Q1 2012 launch of those technologies.

- 5) Is there a monthly fee for Wi-Fi?

Wi-Fi infrastructure will have to be in place for operation that will be unique to individual business need. After this is in place, wireless airtime via WiFi will not have a charge associated with it; however, an account with the Thermo King TracKing service will be required to monitor assets and will have a monthly fee.

- 6) Can customers upgrade REBs themselves or is the dealer required to complete the installation?

REBs must be installed by Thermo King dealers to ensure proper operation.

- 7) Can I flash the SR-3 program through the REB?

When the Wi-Fi REBs are launched in Q1 2012, you will be able to flash the SR-3 program through the TracKing website using Wi-Fi.

- 8) Can I send OptiSet programming to my units through the REB?

Yes, you can program your units with Optiset using the REB Cellular product through the TracKing website.

- 9) Can I obtain Cargo Watch and Service Watch downloads through the REB?

Yes, you can download Cargo Watch and Service Watch through the TracKing website as part of your monthly service.



For more information on TracKing telematics and REB options, contact your Thermo King dealer.