LINKIT ALL

MONITORING PREMIUM FRESHNES

Security for correct temperature during transport and documentation for temperature during the entire transport process

Monitoring of current temperature and documentation for temperature during the entire transport process.

Monitoring of current status

Status is read directly from the refrigerating unit so there is complete conformity between information from the refrigerating machine, possible data logger and actual temperature. By dividing the refrigeration box and using multi-temp temperatures can be read in up to 4 sections. Status in communicated continuously through the GSM net (GPRS) to LinkItAll[©] where the information can be monitored continuously by the clerks on the internet (www.linkitall.com). Status includes the following information:

- Vehicle or trailer number
- Serial number of the refrigerating unit's
- Refrigeration unit model
- Date and time
- GPS position
- Speed and direction of travel
- Current temperature
- Refrigeration unit on yes/no
- Possible set-point and threshold
- Marking for electric or diesel operation
- Status (start/stop, continuous operation)
- Defrost
- Battery voltage
- Number of total operating hours
- Total number of hours on standby
- Total number of hours on.

As standard everything is read every 15 minutes, but the frequency can be varied as needed.

Besides using www.linkitall.com it is possible to get the current status with a mobile phone and text messages. When a text message is sent to the LinkItAll module a text message is sent back with the status of the refrigerating machine to the same telephone number that the original text message was sent from – incl. a link to show the GPS position on an electronic map.

The driver can also connect his mobile phone to the LinkItAll module (via Bluetooth) and follow the current status during driving.

Alarms

Monitoring alarms gives the clerks the security that requirements for temperature are handled correctly during transport. In cases where the current temperature deviates from the desired interval (set-point and threshold) an alarm is automatically triggered in LinkItAll[©]. All alarms are registered at www.linkatall.com, and can, as needed, be forwarded via email and text message.

GPS-positioning

Precise GPS-positioning ensures an updated overview of the vehicle's/trailers' geographical position, thus giving optimum use of the equipment. GPS positions are shown on the electronic map with Google Maps.

GPS trails are automatically registered and can be shown for an optional period.

Geo-fencing

Registration of arrival at and departure from a destination or a geographical area can be done using so-called geo-fences which are defined as a limited geographical area based on an address or location pointed out in Google Maps. GPS positions and information about current geo-fences are combined so arrival at and departure from these areas are automatically registered at www.linkitall.com as an incident or alarm.

Door switches

If the LinkItAll module is connected to the door switches on the vehicle/trailer status is also automatically registered when the door are opened and closed. The use of door switches can also be combined with geo-fencing so that opening a door inside or outside current geo-fences trigger incidents or alarms.

Diesel consumption

If the LinkItAll module is connected to sounding equipment (accessory) the current content in the diesel tank is automatically registered as part of the status so that diesel consumption can be documented and tracked continuously.

Planning and management of service

Kilometres driven are automatically calculated based on GPS positions and are accumulated on the vehicle/trailer.

Separate temperature sensors

In connection with e.g. transport of live animals the LinkItAll module can be connected to separate temperature sensors (accessory) so it is possible to follow up to 8 temperatures on the same module.

Technical specifications

- 48mhz ARM str710
- 8MB flash, 4MB ram
- 1 x GSM/GPRS modem
- 1 x Canbus
- 1 x Ignition input
- 1 x serial RS232
- 4 x digital input
- 4 x digital output
- 3 x analogue input 12bit
- 1 x tri-axis accelerometer
- 1 x battery charging circuit
- 1 x Bluetooth
- 1 x GPS module
- 1 x reset button

Dimensions
139mm (l), 83mm (w), 26mm (h)