

Quick Start

RefBox



YORK Marine, Controls/ – the people to talk to

Quick Start

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Quick Start

Introduction

This RefBox Quick start guide is intended to make you easily get started with reefer monitoring using the RefBox. The Quick start describes a subset functionality only. For further information use please refer to the RefBox users manual.

The Basic functions of the RefBox:

- Monitoring of 50 reefer containers.
- Display current temperatures and Alarms.
- Sending the data to www.reefers-online.com via SMS.
- Sending Alarms to a user via SMS.

<i>Container Identification/ Operating mode</i>	<i>Temperatures</i>	<i>Alarms</i>
<ul style="list-style-type: none"> • Container ID • Cool max • Cool reduced • Modulation • Fan reduction • Heat reduced • Heat max • Alarm shutdown • Off • Recent Defrost 	<ul style="list-style-type: none"> • Set-point temperature • Return air temperature • Supply air temperature <p>Temperature range: [-125°C – 75°C]</p>	<ul style="list-style-type: none"> • Power Up failure • Sensor failure • High Evaporator temperature • High head • Evaporator fan motor • Condenser fan motor • Compressor • Defrost termin. on time limit • Temp. out of range • Low pressure • Low compressor oil pressure • Pump down on time limit • Charge failure • Microprocessor faulty • Alarm reset • Fuse control

How to use the RefBox – 5 simple steps

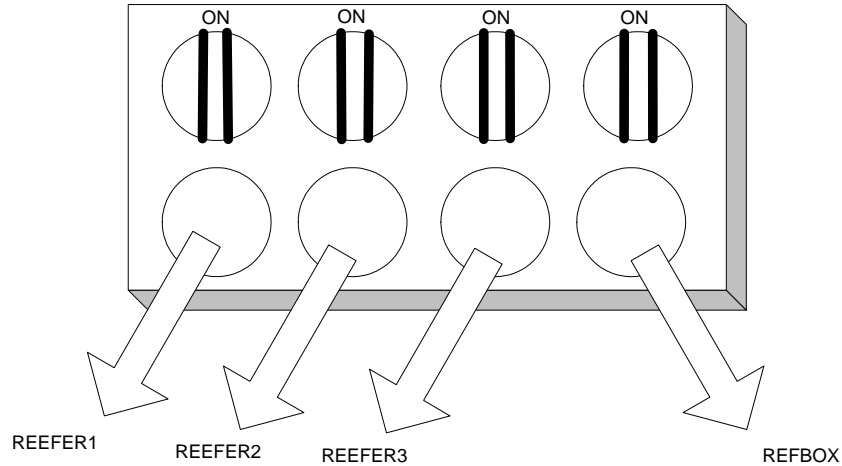
- The Use of the RefBox:
- Connecting the unit
 - Waiting for connection
 - Configure the RefBox location
 - Defining the cell phones
 - Defining the GSM modem connection

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Quick Start, continued

Step 1: connecting the unit

Connect the RefBox to the reefer distribution panel, near the containers to be monitored.



Step 2: waiting for connection

Wait for approx. 5 - 10 min. and you will see the containers info in the container list.

Example:

<pre> Main Menu UTC (12:34) (Monitoring mode) ▶ Container List RefBox Setup Lock Containers Alarm Messaging About RefBox </pre>	<pre> Container List (15 containers) ▶ MAEU2238732 A01 ? APMU8572654 A02 MWCU5548938 A03 ? MWCU9887431 B01 ? APMU5576825 B02 SEAU1233249 B03 SEAI8573057 C01 MWCU7384218 C02 MAEU8473269 C03 </pre>
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- First column can contain the symbol "?" indicating that the container currently has an alarm.
- Second column contains the container ID.
- The 3 letters in third column is the container location.

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Quick Start, continued

Step 3: Configure the RefBox location Configure the RefBox with its location.
The menu path:

Main Menu -> RefBox setup -> Unit info -> Unit settings

- Location tells the user whereabouts of the RefBox. Must be entered to determine where the containers are located, and thereby more easy to find on reefers-online.

Example:

Location is "Your Location" in this example.

```

UNIT SETTINGS
Send Alive : 02 M
Log Alarms : ON
Log Interval: OFF
Log Input : ON
Surveillance
Always ON : NO
Rmm Alive : 04 H
Temp. Unit : C
ID:
RefBox Number or
ID.
Location:
▶ Your Location
    
```

Step	Action
1	Go down via the arrows on keypad.
2	Press the Enter key to alter the location "Somewhere"
3	Change one character at the time by pressing the up/down keys.
4	Hold the Enter key for 3 sec. to store the Location to memory.

All the settings will be remembered, during power off periods!

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Quick Start, continued

Step 4: Defining the cell phones

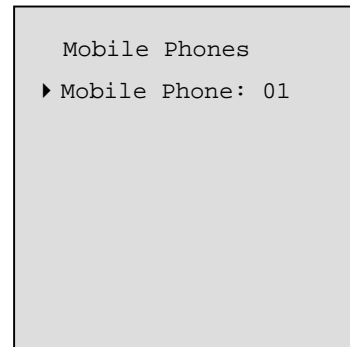
Configure the users phone numbers.

The menu path:

Main Menu -> REFBOX setup -> Unit info -> Surveillance -> Mobile phones

Example:

The “Mobil phones” menu describes number of phones to be used.



Step	Action
1	Press Enter to Alter number of phones to be used.
2	Enter the users phone number via the keypad.
3	Change one digit at the time by pressing the up/down keys.
4	Hold the Enter key for 3 sec. to store the phone number to memory.

User phone numbers is the numbers of the phones where current Alarms of the present containers should be send to. (Not necessary for the RefBox to function)

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Quick Start, continued

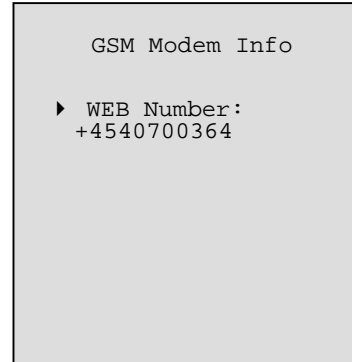
Step 5: Defining the GSM modem connection

Configure the web number to Reefers-online

The menu path:

Main Menu -> REFBOX setup -> Unit info -> GSM Modem

The “GSM modem Info” menu contains the WEB number. The web number is either the number of the SMS bridge or the number of the GMS server directly!



Step	Action
	Enter the users phone number via the keypad.
	Change one digit at the time by pressing the up/down keys.
	Hold the Enter key for 3 sec. to store the phone number to memory.

SMS bridge number is the number where to send the local info SMS and via the bridge will be send to www.reefers-online.com. The REFBOX has a default number directly to “reefers online” server! (Not necessary for the REFBOX to function)

Document Revision Record

Rev.	Date	Author	Brief description of change	Pages affected
1.0	041007	BLA	Original issue	All
1.1	041012	BLA	Most of content altered	All
1.2	050208	BLA	Most of content altered	most