Specifications of Baltic Car Equipment tracker series FM-500

Advantages:
- Smart protocol – low transmitted data rates;
- CAN interfaces (FM Blue/FM Blue+);
- Wide and dynamic remote configuration and update options;
- Robust electrical circuit – protection from impulses up to 120V;
- GSM jamming detection, power cut-off registration to the event log;
- TCP and UDP operating simultaneously;

FM-500 Light applications:
- Track & trace
- Geofencing and overspeeding
- Fuel level sensors (analog and frequency)
- Driver identification
- Temperature/humidity sensors
- Remote output control and immobilization

FM-500 Light specifications

<table>
<thead>
<tr>
<th>General</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Interfaces</td>
<td>1-Wire</td>
</tr>
<tr>
<td>Inputs</td>
<td>4x digital (frequency, impulse counter, ON/OFF modes) 2x analogue, 11 bit, 0-36V</td>
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<tr>
<td>Outputs</td>
<td>3x digital, (-)</td>
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<tr>
<td>Power supply</td>
<td>8 – 36V</td>
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<td></td>
<td>Protection from impulses up to 120V</td>
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<td></td>
<td>Consumption at 12V: active: &lt;50mA, sleep: &lt;8 mA</td>
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<td></td>
<td>Registration of power cut-off to device event log</td>
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<td></td>
<td>Internal battery 700 mAh (optional)</td>
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<tr>
<td>Internal memory</td>
<td>4 MB, up to 150,000 entries</td>
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<tr>
<td>Accelerometer</td>
<td>3 axis digital accelerometer</td>
</tr>
<tr>
<td>Internal odometer</td>
<td>+</td>
</tr>
<tr>
<td>Operational temperature range</td>
<td>from -40 to +85 °C</td>
</tr>
<tr>
<td>Dimensions</td>
<td>26x80x55 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>Tracker – 62 g, set – 141 g</td>
</tr>
<tr>
<td>GSM</td>
<td>Internal antenna</td>
</tr>
<tr>
<td>GSM/GPRS class</td>
<td>10 (up to 85,6 kbit), class B</td>
</tr>
<tr>
<td>Detection of GSM jamming</td>
<td>+</td>
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<tr>
<td>GPS / GLONASS</td>
<td>External antenna</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>-162 dBm</td>
</tr>
<tr>
<td>Acquisition</td>
<td>Cold &lt;30 s, hot 1 s, A-GPS support</td>
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</tbody>
</table>

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