Technical features

Display modules

Main applications:
- Petrol price signs.
- Scoreboards, sport timing.
- Queuing systems, stock exchange board.
- Industrial displays.
- Advertising, information board.
- Toll indications boards for highways and tunnel bridges.
- Time, temperature, date and sound displays.

Technical features:
- Bi-stable 7 segments electromagnetic display modules with individually controlled segments.
- Character height: 30 cm.
- White or yellow segments and black background.
- Casing in aluminium and segments in polycarbonate material.
- Reflective display technology ideal for outdoor applications.
- No power consumption at rest and very low at state change.
- Maintenance free operation.
- Life expectancy over 70 million operations.
- Power supply 12V +/- 20%.
- 2 types: with multiplexing card.
  - without multiplexing card.

Environment:
- Temperature: -40°C to +80°C (when using permanently above 40°C (104°F), the voltage at segment coils must be 12V minimum).
- Humidity up to 93% without condensation.

Norms:
- Low power supply: norm NF EN60950.
- Electromagnetic compatibility: norm NF EN50081-1.
  - norm NF EN50082-1.

Display modules references

<table>
<thead>
<tr>
<th></th>
<th>Yellow segments</th>
<th>White segments</th>
</tr>
</thead>
<tbody>
<tr>
<td>With multiplexing card</td>
<td>917081</td>
<td>917086</td>
</tr>
<tr>
<td>Without multiplexing card</td>
<td>917083</td>
<td>917098</td>
</tr>
</tbody>
</table>
Technical features

<table>
<thead>
<tr>
<th>Feature</th>
<th>H730</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum readability</td>
<td>125</td>
</tr>
<tr>
<td>Character size</td>
<td>304</td>
</tr>
<tr>
<td>Module weight</td>
<td>1000</td>
</tr>
<tr>
<td>Voltage requirement at 20°C (68°F)</td>
<td>12V ± 20%</td>
</tr>
<tr>
<td>Minimum pulse duration</td>
<td>t = 150 ms</td>
</tr>
<tr>
<td>Pulse current per segment at 12 V, at 20°C (68°F)</td>
<td>353 mA</td>
</tr>
<tr>
<td>Coil resistance at 20°C</td>
<td>34 Ω</td>
</tr>
</tbody>
</table>

Dimensions H730 in mm

Mounting principle

Card connector

Impulses diagram

Coil electrical diagram

Wiring principle – Multiplexing operation