Temperature Transmitter
TF12 / TF212

Field<sup>IT</sup>
Temperature Transmitter PROFIBUS-PA
TF12 / TF212
1.16.4

Version Information
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CE MARKING

This product meets the requirements specified in EMC Directive 89/336/EEC and in Low Voltage Directive 73/23/EEC.

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1. Introduction

Abbreviations / Symbols

This publication includes Warnings, Cautions and Information issues where appropriate to point out safety-related or other important information. It also includes Tips to point useful hints to the reader. The corresponding symbols should be interpreted as follows:

- **Warnings** indicate the presence of a hazard which could result in personal injury.

- **Cautions** indicate the presence of a hazard which could result in equipment or property damage.

- **Information** alerts the reader to pertinent facts and conditions.

- Indicates special conditions for meeting explosion protection requirements.

Although **Warning** hazards are related to personal injury, and **Caution** hazards are associated with equipment or property damage, it should be understood that operation of damaged equipment could, under certain operational conditions, result in degraded process performance leading to personal injury or death. Therefore, comply fully with all **Warning** and **Caution** notices.
**Firmware revision history**

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.16.0</td>
<td>August 2004</td>
<td>Correction startup at 2 x 3 wire resistor. This version was not released.</td>
</tr>
<tr>
<td>1.16.1</td>
<td>August 2004</td>
<td>Improved startup behavior</td>
</tr>
<tr>
<td>1.16.2</td>
<td>October 2004</td>
<td>Improved sensor monitoring</td>
</tr>
<tr>
<td>1.16.3</td>
<td>April 2005</td>
<td>Bugs from Version 1.16.3 corrected</td>
</tr>
<tr>
<td>1.16.4</td>
<td>June 2005</td>
<td>1- No aktualized measure value if temperature &gt; 1000 °C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2- Devicerest after Factory Reset</td>
</tr>
</tbody>
</table>

**Compatibility**

<table>
<thead>
<tr>
<th>Interface</th>
<th>Recom. revision level</th>
<th>Supported compatible revision levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>GSD ABB_04C4.GSD</td>
<td>1.1.0</td>
<td>1.0.3 →</td>
</tr>
<tr>
<td>DTM (FDT 0.98)</td>
<td>last released (newest)</td>
<td>all released</td>
</tr>
<tr>
<td>DTM (FDT 1.2)</td>
<td>last released (newest)</td>
<td>all released</td>
</tr>
<tr>
<td>EDD (für PDM)</td>
<td>1.2.0</td>
<td>1.2.0 →</td>
</tr>
</tbody>
</table>

The file name of the device data file (GSD file) is stipulated by the standard and, therefore, must not include the revision level. However, the engineering tool usually permits to indicate the GSD file revision number as a comment in the header when opening the file.

**Limitations**

None.

**Applicable reference documents**

<table>
<thead>
<tr>
<th>Topics / Documents</th>
<th>Reference document No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual TF12</td>
<td>3BDD015005</td>
</tr>
<tr>
<td>Datasheet TF12 / TF12-Ex</td>
<td>10/11-8.26 DE</td>
</tr>
<tr>
<td>Datasheet TF212 / TF212-Ex</td>
<td>10/11-8.70 DE</td>
</tr>
<tr>
<td>Manual Linking Device LD800P</td>
<td>3BDD011704</td>
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</table>
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<table>
<thead>
<tr>
<th>Manual Multibarriere MB204</th>
<th>42/63-15 DE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPV1 Object Dictionary TF12 / TF212</td>
<td>3BDD015007</td>
</tr>
</tbody>
</table>
2. Functions description

Functions not yet released

None.

New functions

Signal filter implemented.

Modified functions

1. Temperatures over 1000°C were no more updated due to an error (only in version 1.16.3)

2. After a Factory RESET an device RESET was accomplished (only in version 1.16.3)

Both errors were corrected.

Functions that are no longer supported

None

Identified problem areas and remedial measures

None.

Corrected behavior

None
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Recommendations

None.