**BOSCH**

| Technical Information | Date: | 12.07.2018 |
|---|---|---|
| | Official: | Marier |
| | Department: | BT-FIR/MKP3 |

| Tech. Information No. | 2134 / 2017 |
|---|---|
| Subject: | FPA-5000 firmware 2.21.2: |
| | LSN module fault message on panel |

| Short Description: | Fault message in combination with LSN module V1.0.53 and true t-tap topology → "Exchange module now! See TI 2134/2017" |
|---|---|

| Hardware | ☒ | ☐ Device | ☒ Module | ☐ PCBA |
|---|---|---|---|---|
| Software | ☒ | ☐ Application | ☐ Driver / Extension | ☒ Firmware |

| Affected Products (details) | CTN | SAP no. | Aff. version | New version |
|---|---|---|---|---|
| 300mA LSN communication module | LSN 0300 A | 4.998.137.277 | 1.0.53 | See "Actions" |
| 1500mA LSN communication module | LSN 1500 A | 4.998.137.278 | 1.0.53 | See "Actions" |
| Main Panel Controller | MPC-xxxx-C | All languages | All | See "Actions" |
| Main Panel Controller | MPC-xxxx-B | All languages | All | See "Actions" |
| Main Panel Controller | FPA-1200-MPC-C | All languages | All | See "Actions" |
| Main Panel Controller | FPA-1200-MPC | All languages | All | See "Actions" |
| Main Panel Controller | FPA-1100-DE | F.01U.316.057 | All | See "Actions" |
| | | | | |
| | | | | |
| | | | | |

| Number of delivered devices | | |
|---|---|---|
| Period of delivery | from: | to: |
| Affected serial numbers | from: | to: |

| Priority Level | | Criterion |
|---|---|---|
| I | ☐ | The change has to be made **immediately** (see dates below) |
| II | ☒ | The change has to be made during the next inspection. |
| III | ☐ | Change has to be made, if the error pattern recurs and with new installations. |
| None | ☐ | General Information (like new tool, new feature, new SW release) |

| Action Plan | |
|---|---|
| ☒ | Inform customers |
| ☐ | Arrange re-work of stock (CSO) |
| ☐ | Arrange re-work of stock (customer) |

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| ☐ | Arrange re-work of installed products |
| ☒ | See detailed actions on following pages |

| **Start Date** | 12.07.2018 | **Completion Date** | 11.07.2019 |

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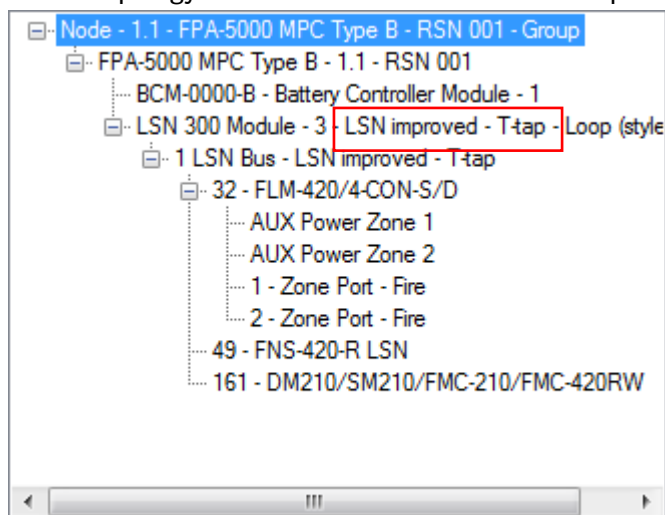| Problem description |
| --- |
| In the LSN module firmware V1.0.53 a feature called "detector removal" was implemented for the Hong Kong market.<br>After market introduction an issue (in some rare cases a loop interruption could lead to a case where several LSN devices are reported missing. A loop restart solved the problem.) was detected in the V1.0.53 firmware affecting only certain t-tap configurations and subsequently a work-around was published (see technical bulletin TI 2044/2016)<br><br>Please refer to chapters "Cause" and "Action". |

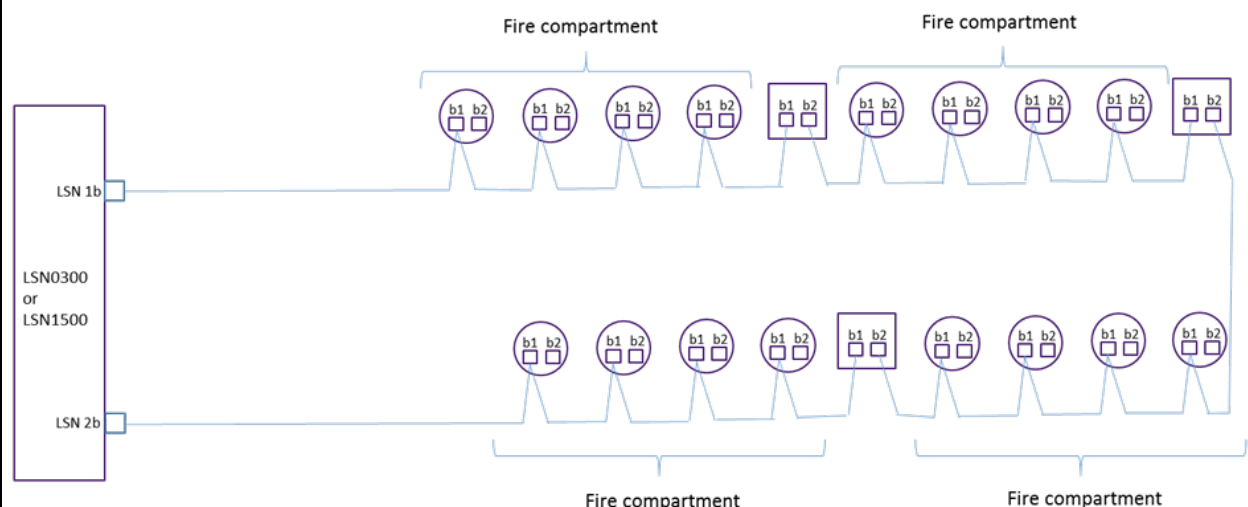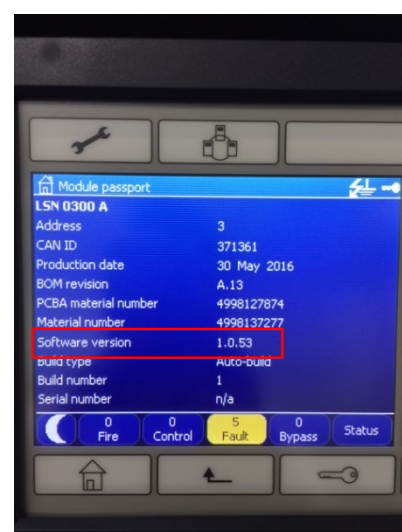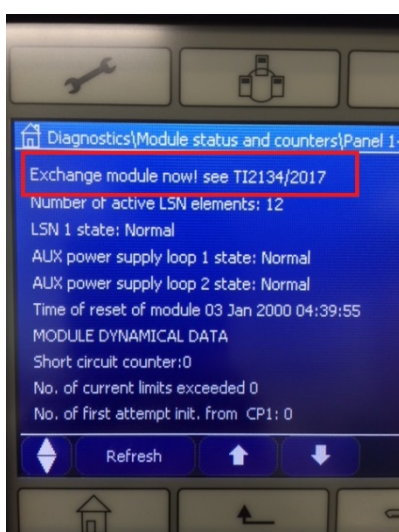| Cause |
| --- |
| The problem is only occurring on LSN bus systems with manually addressed T-Tap topologies (mixed-topology or stub)!<br><br>All other LSN bus topologies (e. g. loop, auto-addressed stub) are not affected!<br><br>This problem only occurs in systems with LSN module FW V1.0.53!<br><br>In RPS the topology tree needs to be like shown in the picture below: |



"True T-tap" means that the isolator function of the LSN elements is not used. In T-tap configurations the b-wires of the LSN-bus are only connected to one of the the b-connectors of the devices (e. g. b1). See example (round elements) below:



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| Action |
| --- |

**All customers (except in HK) who use manual addressing of detectors with true T-TAP topologies:**
> With MPC firmware V2.21.2 we have implemented a check to identify affected installations.

> In case you have true T-tap topologies in your system <u>and</u> LSN modules with firmware V1.0.53 you will get a fault message as shown below:



> **In case your system is affected please provide photos of the fault messages on the MPC screen (similar to above) to ASA referring to TI 2134/2017.**
> You will then receive a replacement for the affected LSN modules.

**For Hong Kong customers:**
> **No return to ASA!**
> Please get in contact with Leo Yau (Leo.Yau@cn.bosch.com) who will provide LSN modules with firmware V1.0.55 on demand.

| Notes |
| --- |

Download all technical bulletins (TIs) and released software from the 'ST-FIR Tech Support' sharepoint (registered users only)

| Required Components | Part no. |
| --- | --- |

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| n. a. | |
|---|---|
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| | |

| **Attachment(s)** |
|---|
| TI 2044/2016 |

| **BU Manager** | Knauel | **Clerk in Charge:** | Marier |
|---|---|---|---|

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## Distribution

| | |
|---|---|
| Distribution BU FIR | ☒ Julian Tersteegen (BT-FIR/QMM), Claudia Majer (BT-FIR/QMM), Knauel Thomas (BT-FIR/MKP BT-FIR/MKT), Heckl Michael (BT-FIR/MKP3) |
| | ☒ Angstenberger Josef (BT-FIR/MKR-EU) |
| | ☒ Ong Kah Seong (BT-FIR/MKR-AP), Leonard Hew (BT-FIR/MKR-AP) |
| | ☒ Paredes Ivan (BT/MKR-LA), Miers Christopher (BT/FIR-MKT) |
| | ☒ Haug Stefan (BT-FIR/MKR-EU BT-FIR/MKA-EU) |
| Distribution BU IN | ☐ |
| Distribution BU ESS | ☒ Markus Brack (BT-ESS/MKP2.3), Huse Istvan (BT/PRM2-EU) |
| | ☐ |
| | ☐ |
| Other parties affected | ☒ Schrimpf Felix (BT-ASA/PRM) |
| | ☒ Proyer Konrad (BT-ASA/SRA-EU), Wilson Jim (BT-ASA/SRA-NA), Tan Woo Khiang (BT-ASA/SRA-AP) |
| | ☒ Hemke Tobias (BT-ASA/STS3-EU); Gill Manjit (BT-ASA/STS-UK) |
| | ☒ Teleservice Support (SO/OMM7.3-Mb) |
| | ☒ Becker Oliver (BT-IE/PRM1) |
| | ☒ Schwichtenberg Heiko (BT-IE/PRM2) |
| | ☐ |

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