

Technical Information	Date: 24.02.2023 Official: Marier Department: BT-FIR/MKP3
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Tech. Information No.	2490 / 2023
Subject:	New AVENAR + FPA panel firmware 3.5.0 and FSP-5000-RPS 5.9.6

Short Description:	Introduction of AVENAR and FPA compatible firmware supporting new AVENAR hardware version 0-009-016 Compliance to Austrian standard TRVB 114 S sections 12.2.1.1
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Hardware <input checked="" type="checkbox"/>	<input type="checkbox"/> Device	<input type="checkbox"/> Module	<input checked="" type="checkbox"/> PCBA
Software <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Application	<input type="checkbox"/> Driver / Extension	<input checked="" type="checkbox"/> Firmware

Affected Products (details)	CTN	SAP no.	Aff. version	New version
FPA-5000 & FPA-1200 Main Panel Controller	MPC-xxxx-C MPC-xxxx-B FPA-1200-MPC-C FPA-1200-MPC	all languages	3.4.2	3.5.0
AVENAR panel 2000 Panel controller	FPE-2000-SPC	F.01U.327.091	3.4.2	3.5.0
	FPE-2000-PPC	F.01U.352.443	3.4.2	3.5.0
AVENAR panel 8000 Panel controller	FPE-8000-SPC	F.01U.327.090	3.4.2	3.5.0
	FPE-8000-PPC	F.01U.352.441	3.4.2	3.5.0
Remote Keypad	FMR-5000	all languages	3.4.2	3.5.0
	FMR-5000-C			
AVENAR keypad 8000	FPE-8000-FMR	F.01U.327.092	3.4.2	3.5.0
Remote Programming SW	FSP-5000-RPS	F.01U.005.615	5.8.12	5.9.6
FPA-5000-OPC Server	FPA-5000-OPC		2.0.21	No new version
FPA-5000-FSI SDK	FSM-5000-FSI		2.0.21	No new version

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

Priority Level	Criterion
I	<input type="checkbox"/> The change has to be made immediately (see dates below)
II	<input type="checkbox"/> The change has to be made during the next inspection.
III	<input checked="" type="checkbox"/> Change has to be made, if the error pattern recurs and with new installations.
None	<input type="checkbox"/> General Information (like new tool, new feature, new SW release)

Action Plan

Print out of this template is not subject of the updating service. Only the version in the Intranet is always up to date.

<input checked="" type="checkbox"/>	Inform customers
<input type="checkbox"/>	Arrange re-work of stock (CSO)
<input type="checkbox"/>	Arrange re-work of stock (customer)
<input type="checkbox"/>	Arrange re-work of installed products
<input type="checkbox"/>	See detailed actions on following pages

Start Date		Completion Date	
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New Features:New features panel firmware:

- Introduction of AVENAR and FPA compatible firmware version 3.5 supporting new AVENAR panel and keypad hardware version 0-009-016. The new AVENAR PCBA contains new network components that are not compatible with previous released firmware versions 3.1, 3.2, 3.3 and 3.4. Change was needed to ensure product supply due to obsolete components. The implications for existing and new field installations are outlined in the attached presentation of TI 2481 / 2022. All AVENAR panels and keypads, where the characters 8-10 of the serial number (18 characters) have 338 or higher, have the hardware version 0-009-016.
- This version is available as *.CBIN as well as *.SWU file format. *.CBIN is exclusively for B & C versions of FPA-5000 panel, FPA-1200 panel and FMR keypad. *.SWU is exclusively for AVENAR panel 8000, AVENAR panel 2000 and AVENAR keypad 8000. This firmware supports AVENAR panel 8000, AVENAR panel 2000 and AVENAR keypad 8000 with new AVENAR panel hardware version 0-009-016 in addition to already released hardware version 0.
- Hardware version information is added to the 'Panel passport' and 'Contact information' dialogs in addition to the firmware version. Depending on the version number, a hardware is suitable for a certain firmware version. For more information see chapter 5.2 of the AVENAR system manual (version 2022-02 | 6.0 | F.01U.378.910).

New features FSP-5000-RPS:

- Introduction account version 3.5
- Reintroduction to select/deselect priority option in order to manually/automatically reset fault condition (Austrian norm TRVB 127 S, Section 16.4.2. Release date of this norm is 1.3.2021) When selecting reset fault condition, the fault condition needs to be reset manually. Now with reintroducing the deselect option (due to TRVB 127 S), it is possible that when the fault state is resolved the fault is automatically reset.

Removed features:

- For 'State-dependent' and 'Event triggered' rules to activate the indicator a function key, the possibility to select 'blinking' is removed in FSP-5000-RPS because this feature is not supported by the panel firmware.

Known issues:

- RPS: When having an AVENAR panel configuration, it might happen that no consistency check warning is shown when e.g. a function key has address 1 and an input 1/1 (TSEMEA-20331). Please manually make sure the function keys have a unique address compared with inputs

Important information:

- The new AVENAR hardware version 0-009-16 has an increased power consumption compared to hardware version 0. For a limited amount of time, the power consumption value mentioned in the installation guide delivered with the hardware is not corresponding to the new hardware version. For the up-to-date values please download the datasheet from the online catalogue.
- Especially when the panel is connected to an Ethernet interface or network, it is advised to always use the latest firmware version with safety and security improvements to close any security breaches
- Account version 3.5 should be used when having FPA with FMR only (stand-alone) or FPA/FMR with AVENAR panel and/or AVENAR keypad in a network. When using AVENAR only (stand-alone or in a network), please use account version 4.2.0 or higher

Solved issues:Correction and Technical Improvements panel FW:

- Fixed: During day mode with alarm verification the button should be called 'Investigate' instead of 'Acknowledge' (German 'Erkundung' instead of 'Quittieren'). Comply to Austrian standard TRVB 114 S section 12.2.1.1. The change is valid for all languages, meaning the word investigate has been translated in all supported panel languages.

Solved issues:Correction and Technical Improvements FSP-5000-RPS:

- UI improvement: Remember last 'Element tip' ON/OFF option
- UI improvement: Information message maximum number of NAC/Signaling groups under one LSN module (TSEMEA-19458)
- Fixed: Transformation failed due to missing Ethernet port AVENAR panel by adding consistency check with auto correction possibility
- Fixed: Some text like 'Available items' and 'Account info' will appear in English in case another RPS language is set
- Fixed: When RPS language is Spanish, the wrong panel language is sent to the panel (e.g. Spanish panel language was shown as Czech)
- Fixed: Sometimes the panel language isn't saved properly when RPS language isn't English (TSEMEA-19545)
- Fixed: RPS sometimes showed a message 'configuration has changed. Save and exit', when no changes had been made (TSEMEA-20527)
- Fixed: AVENAR panel 8000 node listed as FPA-5000 controller (TSEMEA-20405)
- Fixed: Upgrade to AVENAR panel 4.x not possible due to printer on IOS 0020 A and IOS 0232 A (TSEMEA-20646)
- Fixed: Translation of newly created sentences from 5.8 are now available in all languages

Notes:
<ul style="list-style-type: none"> - FPA1200, FPA5000, AVENAR panel 8000/2000 firmware V3.5.0 is compatible with OPC server 2.0.21 - FPA1200, FPA5000, AVENAR panel 8000/2000 firmware V3.5.0 is compatible with FSI-lib 2.0.21 - FPA1200, FPA5000, AVENAR panel 8000/2000 firmware V3.5.0 is compatible with FAT2002 V4.24.12.79 - FPA1200, FPA5000, AVENAR panel 8000/2000 firmware V3.5.0 is compatible with IFAM system 4000 V01.03.00.00 - OPC/FSI 2.0.21 are supported by the following Windows operating systems: <ul style="list-style-type: none"> - Windows 10 (64 bit) (version 1809) - Windows 2012 Server (64 bit) - Windows 2012 Server R2 (64 bit) - Windows Server 2016 (64 bit) - Windows Server 2019 (64 bit) - FSP-5000-RPS V5.9.6 is supported by the following Windows operation systems: <ul style="list-style-type: none"> - Windows 10 (32 bit) - Windows 10 (64 bit) - Windows 11 - Download all technical bulletins (TIs) and released firmware and software from the 'ST-FIR Tech Support' SharePoint (registered users only) or EMEA Extranet https://www.boschsecurity.com/xc/en/extranet/fire-alarm-systems/ - When sending panel firmware and/or RPS software to customers ALWAYS make sure you send the complete .zip due to legal compliancy! This means never send single files from those zip archives and never rename the .zip! - From January 1, 2022 to December 31, 2025, panel firmware version 3.x is in maintenance mode. During this period, new versions will be released only containing fixes for critical bugs and critical security gaps. - From January 1, 2022 onwards, new product features, new LSN peripherals, new GUI languages, and normative changes will be only available in firmware version 4.x. Firmware version 4.x is exclusively for AVENAR panel and AVENAR keypad.

Attachment(s)
TI2481_2022_Panel_Firmware_Compatibility.pdf

BU Manager	Thomas Knauel	Clerk in Charge:	Ronald Marier
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Distribution

Distribution BU FIR Fire Systems	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Ronny Jakubasch (BT-QM), Gerhard Puechler (BT-QMM/FIR), Andreas Speich (BT-QMM/FIR) <input checked="" type="checkbox"/> Thomas Knauel (BT-FIR/MKP BT-FIR/PJ-PG), Kristof Vandenberghe (BT-FIR/MKP1), Bernd Harbers (BT-FIR/MKP1) <input checked="" type="checkbox"/> Ronald Marier (BT-FIR/MKP3 BT-FIR/MKK), Michael Heckl (BT-FIR/MKP3) <input checked="" type="checkbox"/> Josef Angstenberger (BT-FIR/MKR-EU), Jakub Bednarz (BT-FIR/MKR-EU) <input checked="" type="checkbox"/> Kah Seong Ong (BT-FIR/SAM-AP BT-FIR/MKR-AP), Leonard Hew (BT-FIR/MKR-AP) <input checked="" type="checkbox"/> Renato Lima (BT-FIR/MKR-SLB), James Mottorn (BT/FIR-MKP-AM)
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Other parties affected	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Felix Schrimpf (BT-ASA/MKP BT-ASA/MKC) <input checked="" type="checkbox"/> Konrad Proyer (BT-ASA/MSR-Sab), Andre Dias (BT-ASA/SRA-LA), Jim Wilson (BT-ASA/TCR-Lio), Kiang Tan Woo (BT-ASA/SRA-AP) <input checked="" type="checkbox"/> Manjit Gill (BT-ASA/STS2-EU) <input checked="" type="checkbox"/> Teleservice Support (SO/OPM8.10Mb) <input checked="" type="checkbox"/> Petra Adelman (BT-IE/CTA-CSS1) <input checked="" type="checkbox"/> Holger Behrens (BT-IE/BDP-SF) <input checked="" type="checkbox"/> David Ziegler (BT-IE/SPM-SF), Ines Schittenhelm (BT-IE/SPM1-SF), Michiel de Graaf (BT-IE/EAP-NL), Jaap Smit (BT-IE/EAP-NL), Productmanagement-hvl@nl.bosch.com
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