Building Technologies

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	Date:	07.06.2022
Technical Information	Official:	Marier
	Department:	BT-FIR/MKP3

Tech. Information No.	2442 / 2022
Subject:	New FPA & AVENAR panel firmware 3.4.2 − Final feature release FPA-5000

Short Description:	This feature release is the last release for FPA-5000, except security and safety relevant topics which may arise in future. The release includes:
	Integrated UI test for the buzzer, all indicators on the panel controller and functional modules and display (GOST requirement)
	Fixed defect: Input On/Off will no longer generate logical ON-State in case of physical fault state (TSEMEA-18206)

Hardware	☐	☐ Device	☐ Module	☐ PCBA
Software	☒	☐ Application	☐ Driver / Extension	☒ 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	3.4.0	3.4.2
AVENAR panel 2000 Panel controller	FPE-2000-SPC	F.01U.327.091	3.4.0	3.4.2 Use 4.x when having AVENAR only
	FPE-2000-PPC	F.01U.352.443	3.4.0	3.4.2 Use 4.x when having AVENAR only
AVENAR panel 8000 Panel controller	FPE-8000-SPC	F.01U.327.090	3.4.0	3.4.2 Use 4.x when having AVENAR only
	FPE-8000-PPC	F.01U.352.441	3.4.0	3.4.2 Use 4.x when having AVENAR only
Remote Keypad	FMR-5000 FMR-5000-C	all languages	3.4.0	3.4.2
AVENAR keypad 8000	FPE-8000-FMR	F.01U.327.092	3.4.0	3.4.2 Use 4.x when having AVENAR only
Remote Programming SW	FSP-5000-RPS	F.01U.005.615	5.6.11	No new version this release
FPA-5000-OPC Server	FPA-5000-OPC		2.0.18	No new version this release

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FPA-5000-FSI SDK	FSM-5000-FSI		2.0.18	No new version this release

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

Start Date		Completion Date	

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New Features:
New features panel firmware: - Introduction of firmware maintenance version 3.4. 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. Detailed information available in chapter 5.2 of AVENAR panel System Information (version 2022-01 | 4.0 | F.01U.378.910) - Integrated UI test for the buzzer, all indicators on the panel controller and functional modules and display (GOST requirement). Detailed information available in chapter 13.4.2 of AVENAR panel User Guide. (version 2022-02 | 5.0 | F.01U.378.877)

Important Information:
- 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 3.4 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 4.0.2 or higher

Solved Issues:
Correction and Technical Improvements panel FW: - Fixed defect: Input On/Off will no longer generate logical ON-State in case of physical fault state (TSEMEA-18206) - Fixed defect: NZM startup incomplete. No activation of NAC line possible - Technical improvement: Temperature threshold settings AVENAR panel - Technical improvement: Closing of security vulnerabilities - Fixed defect: Hebrew texts shown in remote services

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Notes:

- FPA1200, FPA5000, AVENAR panel 8000/2000 firmware V3.4.2 is compatible with OPC server 2.0.18
 	
- FPA1200, FPA5000, AVENAR panel 8000/2000 firmware V3.4.2 is compatible with FSI-lib 2.0.18
 	
- FPA1200, FPA5000, AVENAR panel 8000/2000 firmware V3.4.2 is compatible with FAT2002 V4.24.12.79
 	
- FPA1200, FPA5000, AVENAR panel 8000/2000 firmware V3.4.2 is compatible with IFAM system 4000 V01.01.28.02
 	
- OPC/FSI 2.0.18 are supported by the following Windows operating systems:
   - Windows 8.1 (32 bit and 64 bit)
    As Microsoft ends the support, OPC/FSI will also finish supporting Windows 8.1 mid 2022. Please update your operation system in due time in order to keep using the latest OPC/FSI version
   - 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)
 	
- 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.

Required Components	Part no.

Attachment(s)
none

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☐		
☐		

Other parties affected		
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