Building Technologies

BOSCH

Technical Information	Date:	03.08.2023
	Official:	Marier
	Department:	BT-FIR/MKP3

Tech. Information No.	2535 / 2023
Subject:	New AVENAR + FPA panel firmware 3.5.1, New AVENAR panel firmware 4.3.0 and FSP-5000-RPS 5.10.18

Short Description:	Introduction of FAP-425-DOTCO-R Introduction of Safety Systems Overview (beta version)

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	3.5.0	3.5.1
AVENAR panel 2000 Panel controller	FPE-2000-SPC	F.01U.327.091	3.5.0 4.2.0	3.5.1 4.3.0
	FPE-2000-PPC	F.01U.352.443	3.5.0 4.2.0	3.5.1 4.3.0
AVENAR panel 8000 Panel controller	FPE-8000-SPC	F.01U.327.090	3.5.0 4.2.0	3.5.1 4.3.0
	FPE-8000-PPC	F.01U.352.441	3.5.0 4.2.0	3.5.1 4.3.0
Remote Keypad	FMR-5000 FMR-5000-C	all languages	3.5.0	3.5.1
AVENAR keypad 8000	FPE-8000-FMR	F.01U.327.092	3.5.0 4.2.0	3.5.1 4.3.0
Remote Programming SW	FSP-5000-RPS	F.01U.005.615	5.9.6	5.10.18
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:

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

F901 / A16 Technical_Information   01.03.2018

Page 1 of 6

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	

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

F901 / A16 Technical_Information   01.03.2018   Page 2 of 6

New Features:

New features panel firmware:

Firmware version: 4.3
- Integration of new multisensor detector FAP-425-DOTCO-R. AVENAR panel supports a list of new sensitivity settings dedicated to the new detector
- The operator can start and stop the gathering of trace information on a memory card through the user menu. To remove the memory card, a total shutdown of the panel is not anymore required. See user manual 2023-07 | 8.0 | F.01U.378.877 chapter 14.4.3 Trace information

All firmware versions 3.x and 4.x
- AVENAR panel supports memory cards with an extended capacity of up-to 2TB. The memory card shall be FAT32 formatted. See system manual 2023-07 | 8.0 | F.01U.378.910 chapter 5.3 Formatting memory cards in FAT32

New features FSP-5000-RPS:

- Introduction of panel account version 4.3 with panel networking exclusively for AVENAR panel 8000, AVENAR panel 2000 and AVENAR keypad 8000
- Support of panel FW 3.5.1 for panel account version 3.5 for panel networking mixed FPA-5000 and/or FMR-5000 with AVENAR panel 2000, AVENAR panel 8000 and/or AVENAR keypad 8000
- The multisensor detector FAP-425-DOTCO-R is available from account version 4.3 onwards. Possibility to configure new sensitivity settings dedicated to the new detector
- A button is added to reveal the VAS over IP password. Available for all 4.x account versions
- For NZM 0002 A and FLM-420-NAC the NAC output configuration is extended with two information fields: one for describing the type of conventional notification device and one for the number of devices connected to the output. This information is displayed in Safety Systems Overview. This data is not downloaded into nor uploaded from the panel. Both labels are available from account version 3.1 onwards
- Introduction of Safety Systems Overview (beta-version) to create As-build documentation for the full system or per panel. Available from account version 3.1 onwards. Safety System Overview includes:
  - Network overview including detailed summary page
  - Switch overview including detailed summary page
  - Panel overview
  - Panel controller details
  - Panel module details
  - LSN 0300 A and LSN 1500 A overview page
  - Detailed block diagram of addressable peripherals and remote indicators connected to LSN 0300 A and LSN 1500 A. Loop and stub topology supported for automatic addressing Not available for manual addressing and T-tap
  - Detailed block diagram of conventional detectors connected to CZM 0004 A and FLM-420/4-CON-S/D
  - Detailed block diagram of conventional signaling devices connected to NZM 0002 A and FLM-420-NAC
  - Possibility to use own addressable and conventional peripheral icons. Copy the icons in the folder C:\Users\.....\Documents\SafetySystemOverviewCustomIcons
  - PDF search function compatible

Removed features:

- RPS: "Ethernet missing" consistency check for account version <2.8 (TSEMEA-21198)

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

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

F901 / A16 Technical_Information   01.03.2018   Page 3 of 6

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 3.5 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 4.3.0 or higher

Solved issues:
Correction and Technical Improvements panel FW: Firmware version 4.3.0 - Panel passport: removal of irrelevant information and rearrangement of remaining information. - Firmware version displayed in "Panel passport" and "Contact info" made consistent.

Solved issues:
Correction and Technical Improvements FSP-5000-RPS: - Fixed: Rights management "Administration (Bypass/on/off - any)" change from L2 to L1 in all panel countries, except Austria, leads to fatal error. - Fixed: FAP-DO420, KD55_1 and FAS420TP2 cannot be converted into an FPA/AVENAR configuration file when using WinPara import. - Fixed: the sequence of AVENAR ethernet ports is not displayed in numeric order after switching node type from FPA-5000 to AVENAR panel 2000/8000 or from FMR-5000 to AVENAR keypad 8000. (TSEMEA-21268) - Fixed: configuration containing FLM-420-I2 shows parse error. (TSEMEA-21120) - Fixed: FAS-420-TP1 the default sensor port number is not always correctly configured by RPS. (TSEMEA-21021) - Fixed: Address and label of FWI-270 and its devices are not displayed in the RPS view tree. (TSEMEA-21057) - Fixed: No matching DLL found when creating MPP file when having account version 2.15. (TSEMEA-20873) - Fixed: RHV "independent input" settings cleared when modifying relay (TSEMEA-21155) - Fixed: "LED On" option disappeared for FAP-O520 and FAP-OC520. - Fixed: Duplicated NAC groups in set 32 - output group. - Fixed: in a T-tap topology, the LSN device disappears when the physical address is manually set to "0". The solution prevents the usage of physical address "0" (TSAP-11038) - FLM-420-I8R1-S: update of warning message when usage type 'Fire' is configured for an input. Warning message contains restrictions for the connection of special 4-wire fire detectors. See TI 2452 / 2022. - FLM-420-O8I2-S, FLM-420-I8R1-S and FLM-420-O1I1: correction of resistor threshold values for the monitoring and activation of the inputs: "EOL (1.5 kOhm - 5.5 kOhm)" and "Open (>85 kOhm)" - UX improvement: for each configuration the last used "Destination IP address" and "Port number" is suggested to re-establishing panel communication via Effilink. Button added to reset IP address and port number to default value.

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

F901 / A16   Technical_Information   01.03.2018   Page 4 of 6

Notes:

- FPA1200, FPA5000, AVENAR panel 8000/2000 firmware V3.5.1 is compatible with OPC server 2.0.21

- FPA1200, FPA5000, AVENAR panel 8000/2000 firmware V3.5.1 is compatible with FSI-lib 2.0.21

- FPA1200, FPA5000, AVENAR panel 8000/2000 firmware V3.5.1 is compatible with FAT2002 V4.24.12.79

- FPA1200, FPA5000, AVENAR panel 8000/2000 firmware V3.5.1 is compatible with IFAM system 4000 V01.03.00.00

- AVENAR panel 8000/2000 firmware V4.3.0 is compatible with OPC server 2.0.21

- AVENAR panel 8000/2000 firmware V4.3.0 is compatible with FSI-lib 2.0.21

- AVENAR panel 8000/2000 firmware V4.3.0 is compatible with FAT2002 V4.24.12.79

- AVENAR panel 8000/2000 firmware V4.3.0 is compatible with IFAM system 4000 V01.03.00.00

- OPC/FSI 2.0.21 are supported by the following Windows operating systems:
	- Windows 10 (64 bit)
	- Windows 2016 Server
	- Windows 2019 Server

- FSP-5000-RPS V5.10.18 is supported by the following Windows operation systems:
	- 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)

BU Manager	Thomas Knauel	**Clerk in Charge:**	Ronald Marier

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

F901 / A16   Technical_Information   01.03.2018

Page 5 of 6

Distribution

Distribution BU FIR Fire Systems	☒	Ronny Jakubasch (BT-QM), Gerhard Puechler (BT-QMM/FIR), Andreas Speich (BT-QMM/FIR)
	☒	Thomas Knauel (BT-FIR/MKP BT-FIR/PJ-PG), Kristof Vandenberghe (BT-FIR/MKP1), Bernd Harbers (BT-FIR/MKP1)
	☒	Ronald Marier (BT-FIR/MKP3 BT-FIR/MKK), Michael Heckl (BT-FIR/MKP3)
	☒	Josef Angstenberger (BT-FIR/MKR-EU), Jakub Bednarz (BT-FIR/MKR-EU)
	☒	Kah Seong Ong (BT-FIR/SAM-AP BT-FIR/MKR-AP), Leonard Hew (BT-FIR/MKR-AP)
	☒	Renato Lima (BT-FIR/MKR-SLB), James Mottorn (BT/FIR-MKP-AM)

Other parties affected	☒	Felix Schrimpf (BT-ASA/MKP BT-ASA/MKC)
	☒	Konrad Proyer (BT-ASA/MSR-Sab), Andre Dias (BT-ASA/SRA-LA), Jim Wilson (BT-ASA/TCR-Lio), Khiang Tan Woo (BT-ASA/SRA-AP)
	☒	Manjit Gill (BT-ASA/STS2-EU)
	☒	Teleservice Support (SO/OPM8.10Mb)
	☒	Petra Adelmann (BT-IE/CTA-CSS1)
	☒	Holger Behrens (BT-IE/BDP-SF)
	☒	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

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

F901 / A16 Technical_Information   01.03.2018   Page 6 of 6