Technical Information	Date: 29.03.2021 Official: Marier Department: BT-FIR/MKP3

Tech. Information No.	2351 / 2021
Subject:	New AVENAR panel and FPA-5000 firmware 3.3.1 and FSP-5000-RPS 5.4.12 and resolved issues

Short Description:	New: Introduction of AVENAR all-in-one 4000

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	3.2.2	3.3.1
AVENAR panel 2000 Panel controller	FPE-2000-SPC	F.01U.327.091	3.2.2	3.3.1
	FPE-2000-PPC	F.01U.352.443	3.2.2	3.3.1
AVENAR panel 8000 Panel controller	FPE-8000-SPC	F.01U.327.090	3.2.2	3.3.1
	FPE-8000-PPC	F.01U.352.441	3.2.2	3.3.1
Remote Keypad	FMR-5000 FMR-5000-C	all languages	3.2.2	3.3.1
AVENAR keypad 8000	FPE-8000-FMR	F.01U.327.092	3.2.2	3.3.1
Remote Programming SW	FSP-5000-RPS	F.01U.005.615	5.3.12	5.4.12
FPA-5000-OPC Server	FPA-5000-OPC		2.0.14	2.0.16
FPA-5000-FSI SDK	FSM-5000-FSI		2.0.14	2.0.16

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

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Start Date		Completion Date	

New features:

New features panel firmware:

- Introduction of new peripheral: AVENAR all-in-one 4000 from account version 3.3 onwards

- New language added to panel UI: Hebrew. Language is only available for AVENAR panel

- Reset action of 4-wire conventional detectors using a FLM-420 plain relay output is now also possible during an Alarm Verification condition (TSEMEA-16082)

New features FSP-5000-RPS:

- Introduction of panel account version V3.3

- Support of AVENAR all-in-one 4000 from account version 3.3 onwards

- LSN loop export/import available for XML format

- Hebrew language as panel UI language selectable in RPS

- Show differences when doing "upgrade to" newer version (if RPS automatically changes anything)

Removed features:

- Possibility of manual adjusting BCM-0000-B and FPP-5000-TI13 settings in RPS. This is against EN54 compliance
- Removal of countries, which can be selected as panel country. Removed countries are: Afghanistan, Algeria, Andorra, Angola, Antigua and Barbuda, Armenia, Azerbaijan, Bahamas, Bahrain, Bangladesh, Barbados, Belize, Benin, Bhutan, Brunei Darussalam, Burkina Faso, Burundi, Cambodia, Comoros, Congo, Costa Rica, Côte D'Ivoire, Cuba, Cyprus, Democratic People's Republic of Korea, Democratic Republic of the Congo, Djibouti, Dominica, Dominican Republic, Ecuador, El Salvador, Equatorial Guinea, Eritrea, Ethiopia, Fiji, Gabon, Gambia, Georgia, Grenada, Guatemala, Guinea, Guinea-Bissau, Guyana, Haiti, Holy See (Vatican City State), Iceland, Indonesia, Iran, Iraq, Jamaica, Kazakhstan, Kiribati, Kuwait, Kyrgyzstan, Laos, Lebanon, Lesotho, Liberia, Libya, Liechtenstein, Macao, Madagascar, Malawi, Maldives, Mali, Malta, Marshall Islands, Mauritania, Mauritius, Mexico, Micronesia, Monaco, Mongolia, Montenegro, Morocco, Mozambique, Myanmar, Namibia, Nauru, Nepal, New Zealand, Nicaragua, Niger, Nigeria, Oman, Pakistan, Palau, Panama, Papua New Guinea, Paraguay, Peru, Qatar, Republic of Moldova, Republic of North Macedonia, Rwanda, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Samoa, San Marino, São Tomé and Príncipe, Saudi Arabia, Senegal, Serbia, Seychelles, Sierra Leone, Singapore, Solomon Islands, Somalia, South Sudan, Sri Lanka, State of Palestine, Sudan, Suriname, Swaziland, Tajikistan, Tanzania, The Philippines, Togo, Trinidad and Tobago, Tunisia, Turkmenistan, Tuvalu, Uganda, United Arab Emirates, Uruguay, Uzbekistan, Vanuatu, Venezuela, Vietnam, Yemen, Zambia and Zimbabwe

Known issues:

- The unique identifier (S/N) printed on the AVENAR all-in-one 4000 is a hexadecimal value. The unique identifier is displayed on the Panel UI and in RPS as a decimal value. Therefore, a conversion from HEX to DEC is required.

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Solved issues:

Correction and Technical Improvements panel FW:
- Possibility to manually activate NAC zones containing one or more uninterruptable sounders with a battery fault condition via eMatrix

- The event type "Bypass alarm" is abbreviated to "Byp. Alarm" to fit on the event message

- Additional example program containing information about the API loader mechanism is added to FSM-5000-FSI technical documentation

- Fault messages on AVENAR, FPA and UGM panels are not resettable anymore by the reset button of an FBF. (DIN 14661 requirement)

- The AVENAR panel "About dialog" including the OSS URL is correctly shown when using an FPA panel via remote terminal

- Fixed defect: Second criteria of same multi sensor detector causes fire alarm after reset a pre-alarm (TSEMEA-16998)

Correction and Technical Improvements FSP-5000-RPS:

- Fixed defect: When XLS file is still open, import label of devices cannot be imported

- Fixed defect: When importing label of devices of more than 1 panel configuration, error occurred

- Fixed defect: When importing label of devices, the label didn't show up in groups at logical grouping / activation

- Fixed defect: Translation of HVAC was not always correctly translated to display correct behavior within FLM-420-RHV module

- Fixed defect: If Lithuanian is selected the code set is still ISO-8859-4 and not ISO-8859-13

- Fixed defect: FPA-1200 v3.1/v3.2 no default BCM-0000-B (Battery Controller Module) neither LSN 300 Module

- Fixed defect: MSS 400, MSS401 and FLM-420-NAC still showed "Number" instead of "Group"

- Fixed defect: The panel type still shows as FPA5000 in the dialog of "Configuration Differences" when uploading an AVENAR 8000 configuration

- Fixed defect: Possible to add more than 6 groups for NAC types

- Fixed defect: Panel naming and status groups on area dialog when changing panel type

- Fixed defect: Zone properties of extinguishing systems were missing when exporting details for UGM-2040 (TSEMEA-14177)

- Fixed defect: In RPS to play tone 16 and 17 for sounders, they play the same sound

- Fixed defect: Transformation error ('<port>0<port>') for FLM-420-I2-D

- Fixed defect: Configuration for Remote service doesn't exist in RPS after upload all data from panel, download configuration to panel and then panel isn't able to reboot

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Solved issues:

- Fixed defect: With FPA-1200 no AVENAR keypad can't be added (TSEMEA-17191 / TSEMEA-17192)

- Fixed defect: Opening of huge configurations with 5.3.12 isn't possible (TSEMEA-17230)

- Fixed defect: Consistency check shows an error when configuring an input group rule

Notes:

MPC FPA-5000/1200 and AVENAR panel 8000/2000 firmware V3.3.1 is compatible with OPC server 2.0.16

- MPC FPA-5000/1200 and AVENAR panel 8000/2000 firmware V3.3.1 is compatible with FSI-lib 2.0.16

- MPC FPA-5000/1200 and AVENAR panel 8000/2000 firmware V3.3.1 is compatible with FAT2002 V4.24.12.79

- OPC/FSI 2.0.16 are supported by the following Windows operating systems:
  - Windows 8.1 (32 bit and 64 bit)
  - Windows 10 (64 bit) (version 1809)
  - Windows 2008 Server (32 bit and 64 bit)
  - Windows 2008 Server R2
  - Windows 2012 Server (64 bit)
  - Windows 2012 Server R2
  - Windows Server 2016
  - Windows Server 2019

- FSP-5000-RPS V5.4.12 is supported by the following Windows operation systems:
  - Windows 8.1 (32 bit and 64 bit)
  - Windows 10 (32 bit)
  - Windows 10 (64 bit) (version 1809)
  - Windows 10 (64 bit) (version 1903)

- 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!

Required Components	Part no.

Attachment(s)

BU Manager	Thomas Knauel	Clerk in Charge:	Ronald Marier

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	☒	Teleservice Support (SO/OMM1.3-MB)
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