Technical Information	Date:	17.12.2020
	Official:	Heckl
	Department:	BT-FIR/MKP3

Tech. Information No.	2339 / 2020
Subject:	New AVENAR panel and FPA-5000 firmware 3.2.2 and FSP-5000-RPS 5.3.12 and resolved issues

Short Description:	New: Open collector outputs on interface modules can be used for "Control" and "Door holder"

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	3.1.16	3.2.2
AVENAR panel 2000 Panel controller	FPE-2000-SPC	F.01U.327.091	3.1.16	3.2.2
	FPE-2000-PPC	F.01U.352.443	3.1.16	3.2.2
AVENAR panel 8000 Panel controller	FPE-8000-SPC	F.01U.327.090	3.1.16	3.2.2
	FPE-8000-PPC	F.01U.352.441	3.1.16	3.2.2
Remote Keypad	FMR-5000 FMR-5000-C	all languages	3.1.16	3.2.2
AVENAR keypad 8000	FPE-8000-FMR	F.01U.327.092	3.1.16	3.2.2
Remote Programming SW	FSP-5000-RPS	F.01U.005.615	5.2.6	5.3.12

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:

- New language added to panel UI: Lithuanian

- Reset AVENAR panel to factory settings. Available via Boot Menu. Erases all settings, history log and configuration.

- Introduction of confirmation / cancel dialogs for critical commands in Boot Menu.

- Automatic update of internal Ethernet switch settings of AVENAR panel by a panel firmware update.

New features FSP-5000-RPS:

- Introduction of panel account version V3.2

- Label export/import of peripherals on the LSN loops available for XML, CSV and XLSX format

- In addition to "Status", the usage types "Control" and "Door holder" are made available to be assigned to open-collector outputs on interface modules: FLM-420-O1I1, FLM-420-O2 and FLM-420-O8I2.

- Possibility to use logical Group sub address '0' of usage type 'Input On/Off' to trigger outputs according the logical OR function

- Language setting of the first panel is adopted when adding new panels in the configuration.

Removed features:

- None

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Solved Issues:

Correction and Technical Improvements panel FW:

- Pre-alarm reports are no longer treated as a fire alarm condition (EN54 requirement):
  o no activation of red fire alarm LED
  o message is displayed in fuchsia instead of red
  o message is not reset by FBF

- Improvements displaying Latvian & Estonian language (special characters) on AVENAR panel UI

- Fixed defect: NTP time synchronization with Remote Service gateway was not working on Ethernet ports 2, 3 and 4

- Fixed defect: AUX faults on FLM-420-NAC interface modules were not reported within 100 seconds

- Fixed defect: slave LSN 300 module did not always take over control after multiple fault cycles of the master LSN 300 module

- Removal of group reports for message type "Input fault" – only one fault displayed.

- Improved internal Ethernet switch settings of AVENAR panel to prevent Ethernet link-down faults

Correction and Technical Improvements FSP-5000-RPS:

- Change RSN to PNA/RSN (Physical Node Address) due to introduction of AVENAR panel

- Fixed defect: serial number of peripherals were not always shown in RPS

- Fixed defect: "Unused" outputs were automatically set to "Control" after configuration download to panel.

- Fixed defect: More than maximum allowed channels (20) could be set in time control

- Fixed defect: More than maximum allowed programs (19) could be set in programs

- Fixed defect: "Out of memory" error displayed when upgrading configuration

- Dual homing removed for 'IP and Ethernet Configuration' dialog, as this is no longer supported

- Fixed defect: sometimes not possible to download programming (xml error). (TSEMEA-16607)

- Fixed defect: result of "configuration overview" comparison of 2 identical configurations was not always correctly displayed

- Fixed defect: node "Panel communication" was on wrong position

- Fixed defect: parallel connection to multiple panels via remote terminal was not possible

- Fixed defect: FAS-420-TP1 sensitivity settings in Russian language was different compared to English (TSEMEA-16427)

- Fixed defect: Operator 3 was automatically added when new node was added to configuration. (TSEMEA-15835)

- Fixed defect: LSN bus displays incorrect in the account of FPA-1200 v2.23

- Fixed defect: Latvian and Estonian wrongly displayed via remote terminal

- Fixed defect: Compare 2 configurations not possible

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Notes:

MPC FPA-5000/1200 and AVENAR panel 8000/2000 firmware V3.2.2 is compatible with OPC server 2.0.14
 	
- MPC FPA-5000/1200 and AVENAR panel 8000/2000 firmware V3.2.2 is compatible with FSI-lib 2.0.14
 	
- MPC FPA-5000/1200 and AVENAR panel 8000/2000 firmware V3.2.2 is compatible with FAT2002 V4.24.12.79
 	
- OPC/FSI 2.0.14 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 V5.3.12 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:	Michael Heckl

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