Security Systems

BOSCH

Technical Information	Date:	14.12.2017
	Official:	Marier
	Department:	ST-FIR/MKP3

Tech. Information No.	2144 / 2017
Subject:	FPA-5000: new release FSP-5000-RPS 4.9.3, Firmware 2.20.6, FSI/OPC 1.4.3

Short Description:	- Support of additional "Day Mode LED"
	- "Bypass off" issue for fire extinguisher fixed

Hardware	☐	☐ Device	☐ Module	☐ PCBA
Software	☐	☒ Application	☐ Driver / Extension	☒ Firmware

Affected Products (details)	CTN	SAP no.	Aff. version	New version
Main Panel Controller	MPC-xxxx-C	all languages	2.19.7	2.20.6
Main Panel Controller	MPC-xxxx-B	all languages	2.19.7	2.20.6
Main Panel Controller	FPA-1200-MPC-C	all languages	2.19.7	2.20.6
Main Panel Controller	FPA-1200-MPC	all languages	2.19.7	2.20.6
Main Panel Controller	FPA-1100-DE	F.01U.316.057	2.19.7	2.20.6
Remote Keypad	FMR-5000-C	all languages	2.19.7	2.20.6
Remote Keypad	FMR-5000	all languages	2.19.7	2.20.6
FPA configuration tool	FSP-5000-RPS	F.01U.005.615	4.8.7	4.9.3
FPA 5000 OPC Server	FSM 5000 OPC		1.4.2	1.4.3
FPA 5000 System Interface	FSM 5000 FSI		1.4.2	1.4.3

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

1.1. Daymode LED

A yellow status LED has been added to the left bottom of the MPC-xxxx-C (next to key switch). This 12th status LED is illuminated when the fire system is in Day Mode. Not illuminated (dark) means night mode.

This way the user can recognize from a distance that in case of an alarm at least one delay at the sounders or outputs are active or not.

The Sun and Moon icons on the display are still available. A new combined Sun +Moon icon is introduced for the panel controller (MPC). This combined icon is created to provide the user the information that the system is in day mode, but the particular panel isn't.
Reasons can be: no zones configured for day mode or the panel has been restarted.

The panel controllers and remote keypads will be delivered with the 'Day Mode' LED as soon as the current versions are sold out. This transition will be automatically executed. Depending the ordered language, we expect a transition period from December 2017 till March 2018.

1.2. Minimized de-activation Time for Devices linked to a FLM-420-NAC

If a LSN bus gets troubled (e.g. open or short circuit) while conventional devices, connected to a FLM-420-NAC (sounder or strobes), are activated, these device were de-activated while the LSN bus was re-initialized. This could take up to 300s.

Now conventional devices, connected to a FLM-420-NAC, are not de-activated for more than 5s provided:

- The sounder or strobe is a 4-wire device and the power supply is independent from the LSN module

- The FLM-420-NAC firmware is V2.5 or later.

1.3. AT-5000 configurable

FSP-5000-RPS offers additionally the AT-5000 as a pre-defined transmission device of the ENO module.

1.4. Additional Conventional Detectors configurable

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Solved Issues

1.1. Bypass Off for Fire Extinguisher

The activation of a fire extinguisher is prevented if the "FBF 100 LSN" fire brigade repeater panel button "Brandfallsteuerung ab" is pressed (function "Bypass"). If now a fire occurs which activates the fire extinguisher and afterwards the "Brandfallsteuerung ab" button is pressed again ("Unbypassing"), the activation of the fire extinguisher was still prevented. The same happened if the fire extinguisher was initially bypassed from the MMI.
EN54-2 demands that if a fire occurs which activates the fire extinguisher while the fire extinguisher was bypassed and afterwards the button "Brandfallsteuerung ab" is pressed again, the fire extinguisher shall be activated.
Now the fire extinguisher is activated in this case.

1.2. LSN Bus Does Not Recover After Trouble

If a LSN loop, configured as T-Tap (i.e. manual address assignment), got troubled, e.g. by short or open circuit or a detector removal, it could happen that the subsequent loop re-initialization never comes to an end. In this case a restart of the panel SW was necessary. This applied only with LSN modules SW V1.0.53.
This got fixed for pure T-Tap loops.
If the T-Tap configuration is not a pure loop and thus the issue cannot be fixed, a trouble report for the affected module occurs.

1.3. Improved Counters and Reports in Large Panel Networks

1.4. FBF LED "ÜE ausgelöst"

The LED "ÜE ausgelöst" on the fire brigade repeater panel gets activated when the assigned transmission device is activated, typically in the course of a fire alarm. If the transmission device is subsequently bypassed it is physically switched off and the related LED "ÜE ausgelöst" on the fire brigade panel was switched off, too. But DIN 14661 demands this LED remains activated until the related fire is reset.
This issue is fixed.

1.5. Transmission of States for Alarm Verification (Alarmerkundung)

The alarm verification is handled internally with 2 different states. Only the 1st one was transmitted to the OPC server via the FSI-lib with MTS-LZ 0x30 (ERK). The 2nd state was transmitted with 0 (zero). In some OPC clients (e.g. BIS) this caused a disappearance of the affected point.
Now both states are transmitted with the MTS-LZ 0x30
This issue is not related to the new customer SW but to the revised FSI-lib 1.4.3

Error(s) and Effect(s)

Cause

Action(s)
Download new releases from global training portal

Notes

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The new firmware version V2.20.6 is compatible with

- OPC server V1.4.2, V1.4.3

- FSI-lib V1.4.2, 1.4.3

Required Components	Part no.

Attachment(s)

BU Manager	Knauel	Clerk in Charge:	Marier

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