

Technical Information	Date: 31.07.2020 Official: Heckl Department: BT-FIR/MKP3
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Tech. Information No.	2311 / 2020
Subject:	FPA-5000: new firmware 3.1.15, AVENAR panel: firmware 3.1.15 and FSP-5000-RPS 5.2.5 FSM / FSI-lib / OPC 2.0.12

Short Description:	Introduction new fire alarm panel platform: AVENAR panel 8000, AVENAR panel 2000 & AVENAR keypad 8000
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Hardware <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Device	<input type="checkbox"/> Module	<input type="checkbox"/> PCBA
Software <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Application	<input type="checkbox"/> Driver / Extension	<input checked="" type="checkbox"/> 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	2.23.6	3.1.15
AVENAR panel 2000 Panel controller	FPE-2000-SPC FPE-2000-PPC	F.01U.327.091 F.01U.352.443	New New	3.1.15 3.1.15
AVENAR panel 8000 Panel controller	FPE-8000-SPC FPE-8000-PPC	F.01U.327.090 F.01U.352.441	New New	3.1.15 3.1.15
Remote Keypad	FMR-5000 FMR-5000-C	all languages	2.23.6	3.1.15
AVENAR keypad 8000	FPE-8000-FMR	F.01U.327.092	New	3.1.15
Remote Programming SW	FSP-5000-RPS	F.01U.005.615	5.1.14	5.2.5

Number of delivered devices	
Period of delivery	from: to:
Affected serial numbers	from: to:

Priority Level	Criterion
I <input type="checkbox"/>	The change has to be made immediately (see dates below)
II <input type="checkbox"/>	The change has to be made during the next inspection.
III <input checked="" type="checkbox"/>	Change has to be made, if the error pattern recurs and with new installations.
None <input type="checkbox"/>	General Information (like new tool, new feature, new SW release)

Action Plan	
<input checked="" type="checkbox"/>	Inform customers
<input type="checkbox"/>	Arrange re-work of stock (CSO)
<input type="checkbox"/>	Arrange re-work of stock (customer)
<input type="checkbox"/>	Arrange re-work of installed products
<input type="checkbox"/>	See detailed actions on following pages

Start Date		Completion Date	
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New Features:**General for FPA-5000 / 1200 and / or AVENAR panel**

- Introduction new platform: AVENAR panel 8000, AVENAR panel 2000 & AVENAR keypad 8000
- eMatrix: control and monitoring of evacuation zones and outputs connected for fire protection equipment
- AVENAR panel 2000 & FPA-1200 allows extensions up-to four LSN 0300 A loops containing 254 elements per loop
- AVENAR panel 2000 premium license can be integrated in a panel network together with FPA-5000 & AVENAR panel 8000
- New PCTRL GUI skin according Bosch design guide: dark theme
- Implementation of feature licenses (standard & premium) from FW 3.1.15
- UX improvements Ethernet settings dialog
- UX improvement personalized menu
- UX improvement icons for establishing connection to remote panel
- New usage type input normal/trouble. Inputs can generate fault reports for external devices (not displayed as detector fault)
- Updated EULA (End User License Agreement) for panel software and FSP-5000-RPS

AVENAR panel

- AVENAR keypad 8000 can be used for panel controller redundancy
- Introduction of boot menu supporting following features:
 - o Touchscreen calibration (accessible when de-calibrated)
 - o Download firmware via external memory card
 - o Start with default configuration
- Introduction of new icon system status LED's:
 - o Signaling devices activated
 - o Fire protection equipment activated
 - o Fire protection equipment fault / disabled
 - o Freely configurable alarm
 - o Freely configurable fault / disabled
 - o Power supply available
 - o Power supply fault
 - o Combining LED's for fault and disabled
- Store trace files on external memory card
- Dialog to configure Physical Node Address
- Introduction of function keys with virtual indicator
- Diagnostic dialog containing cause restart due to watchdog trigger
- Introduction of webserver for sharing the declaration of the OSS components and their respective licenses via local connection on panel (<http://192.168.1.1:56789> on ETH 1)

FSP-5000-RPS

- Option to have '24-hour master password' is by default selected for new configurations (starting with V3.1) in RPS
- Extension of available countries, when configuring panel in FSP-5000-RPS regarding country, language and time zone

Removed features:**General**

- Deprecation of address cards (replaced by licenses) Address cards are not needed anymore for existing installations of FPA-5000 / 1200 when panel is upgraded to FW 3.1.15 or higher.
- Deprecation of dual homing (replaced by RSTP)

Panel Firmware

- Deprecation of 'detector removal' (due to EN54 incompliance)
- 'Touchscreen calibration' temporally removed from user menu AVENAR panel
Replaced by calibration in boot menu.
- 'Key test' removed from user menu (moved to Home #6)
- 'Display touch test' removed from user menu (moved to Home #7)
- Response time on ping command not anymore displayed

FSP-5000-RPS

- Temporally prevent download of firmware over panel network due to extensive download time of larger size firmware files
- Temporally prevent upgrade of 1.x (MPC-A PCTRL) configuration to 2.0 and higher

Solved Issues:**Panel Firmware**

- Pop-up window "Call Fire Brigade" is repositioned so that the first and last alarm report is always visible (EN54 requirement)
- Bypass (Disablement) also suppresses fault reports (EN54 requirement)
- Only activation messages displayed during a fire alarm condition are marked in red; activation messages during other conditions are marked in fuchsia. (EN54 requirement)
- Consistent yellow color (no more differentiation) for all fault and disablement messages. (VdS requirement)
- FBF button 'BMZ rückstellen' is only resetting alarm reports. No fault or other reports. (EN54 requirement)
- Possibility to undo Bypass (Disablement) and Walktest (Test Condition) even if detector is still physically activated (EN54 requirement)
- 'Missing node' fault is not activating the 'System fault' LED
- Technical improvements to increase the stability of auto detection and short circuit handling for wireless gateway
- Fixed LSN handling: 2nd reset during running initialization of LSN- bus led to some elements in fault condition.
- Fixed defect: failed activation of sounders on stub 2, during fault condition on stub 1.
- Fixed defect: system fault LED deactivated when using GUI during start-up
- Detector LED continues blinking until user feedback during first alarm at dual detector dependency condition (TSEMEA-14755)

FSP-5000-RPS

- Fixed defect: FDOOT271-O 'Further Sensitivity' value cannot be saved
- Fixed defect: FLM-420-I2 unhandled exception (TSEMEA-15744)
- Fixed defect: MTS internal rules deleted after auto correction (TSEMEA-15208)
- Fixed defect: 'Transformation failed' when trying to download configuration to panel with FW 2.16
- Correction of displayed time of 'Program' at 'Time Control'
- Correction Dutch language window size in RPS (TSEMEA-15530)
- Correction when trying to create a FMR-5000 remote keypad in FPA-1200 V2.5 account
- Consistent naming applied for FLM-420 interface modules (TSCN-951)

Notes:

- MPC FPA-5000/1200 firmware V3.1.15 and AVENAR panel 8000/2000 firmware V3.1.15 is compatible with OPC server 2.0.12
- MPC FPA-5000/1200 firmware V3.1.15 and AVENAR panel 8000/2000 firmware V3.1.15 is compatible with FSI-lib 2.0.12
- MPC FPA-5000/1200 firmware V3.1.15 and AVENAR panel 8000/2000 firmware V3.1.15 is compatible with FAT2002 V4.24.12.79
- OPC/FSI 2.0.12 are supported by the following Windows operating systems:
 - o Windows 8.1 (32 bit and 64 bit)
 - o Windows 10 (64 bit) (version 1809)
 - o Windows 2008 Server (32 bit and 64 bit)
 - o Windows 2008 Server R2
 - o Windows 2012 Server (64 bit)
 - o Windows 2012 Server R2
 - o Windows Server 2016
 - o Windows Server 2019
- FSP-5000-RPS V5.2.5 is supported by the following Windows operation systems:
 - o Windows 8.1 (32 bit and 64 bit)
 - o Windows 10 (32 bit)
 - o Windows 10 (64 bit) (version 1809)
 - o 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)
- 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!
- FPA-5000 and FPA-1200 will still be delivered with a DVD containing FW 2.23.6. Please refer customers to always use the latest firmware version and RPS software version, which is available on <https://www.boschsecurity.com/xc/en/extranet/fire-alarm-systems/>
- AVENAR panel 8000 and AVENAR panel 2000 are **not delivered** with a DVD. Please refer customers to always use the latest firmware version and RPS software version, which is available on <https://www.boschsecurity.com/xc/en/extranet/fire-alarm-systems/>

Required Components	Part no.

Attachment(s)

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BU Manager	Thomas Knauel	Clerk in Charge:	Michael Heckl
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Distribution

Distribution BU FIR Fire Systems	<input checked="" type="checkbox"/> Julian Tersteegen (BT-FIR/QMM), Claudia Majer (BT-FIR/QMM), Knauer Thomas (BT-FIR/MKP BT-FIR/MKT), Heckl Michael (BT-FIR/MKP3) <input checked="" type="checkbox"/> Angstenberger Josef (BT-FIR/MKR-EU) <input checked="" type="checkbox"/> Ong Kah Seong (BT-FIR/MKR-AP), Leonard Hew (BT-FIR/MKR-AP) <input checked="" type="checkbox"/> Paredes Ivan (BT/MKR-LA), Miers Christopher (BT/FIR-MKT) <input checked="" type="checkbox"/> Haug Stefan (BT-FIR/MKR-EU BT-FIR/MKA-EU) <input type="checkbox"/>
Distribution BU SC Intrusion Systems	<input type="checkbox"/> Petricoin Dennis (BT-SC/PAS2 BT-SC/PAS2-MKP), Dobson Roxanne (BT-SC/QMM2), Hupka Peter (BT-SC/PAS2-MKP5), Weissert Thorsten (BT-SC/PAS2-MKP5) <input type="checkbox"/> Kugler Gerhard (BT-SC/MKR6-EU), Berberian Alexandra (BT-SC/MKR-SEF), Shah Dhaval (BT-FIR/MKR-SEM), Gomez Arevalo Olga (BT/SEI-SCM), Malek Michal (BT-SC/MKR-SEP), van den Berg Quintin (BT-SC/MKR-SEZ), Kiselev Grigory (BT-FIR/MKR-SEO), Sonmez Onur (BT-FIR/MKR-SET), Cojocaru Laurentiu (BT-SC/MKR-SEA BT/SEA-SBD2), Riboli Stefano (BT-SC/MKR-SES), El Makhfi Otmane (BT-SC/MKR-SAN), Reuvers Willfried (BT-SC/MKR-SEB), Kuehlewind Uwe (BT-SC/MKR-SEC), Pillai Kiran (BT-SC/MKR-SEU), Karlsson Anders (BT-SC/MKR-SEN) <input type="checkbox"/> Cabral Paula (BT-SC/MKR-LA), Garms Paul (BT-SC/MKR2-NA) <input type="checkbox"/> Premo Mike (BT-SC/PAS2-ENG1), Meichelbeck Markus (BT-SC/PAS2-ENG5) <input type="checkbox"/> Schmidt Michaela (BT/MKW1) <input type="checkbox"/> Klein Alexander (BT/SC-MKI) <input type="checkbox"/>
Other parties affected	<input checked="" type="checkbox"/> Schrimpf Felix (BT-ASA/MKP BT-ASA/MKC) <input checked="" type="checkbox"/> Proyer Konrad (BT-ASA/SRA-EU BT-ASA/SRA2-EU), Dias Andre (BT-ASA/SRA-LA), Wilson Jim (BT-ASA/SRA-NA), Tan Woo Khiang (BT-ASA/SRA-AP) <input checked="" type="checkbox"/> Gill Manjit (BT-ASA/STS-UK) <input checked="" type="checkbox"/> Teleservice Support (SO/OMM1.3-MB) <input checked="" type="checkbox"/> Heiko Schwichtenberg (BT-IE/PRM-SF) <input checked="" type="checkbox"/> Adelmann Petra (BT-IE/EAP3) <input type="checkbox"/>