Technical Information	Date: 09.07.2026 Official: Marier Department: BT-EL/PRM1.1

Tech. Information No.	2728 / 2026
Subject:	FSP-5000-RPS version 5.15.28 release

Short description:	Re-introduction of logical input 5 for FLM-420-RLE-S

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

Affected products (details)	CTN	SAP no.	Old version	New version
AVENAR panel 2000	FPE-2000-SPC	F.01U.327.091	4.8.1	n.a.
Panel controller	FPE-2000-PPC	F.01U.352.443	4.8.1	n.a.
AVENAR panel 8000	FPE-8000-SPC	F.01U.327.090	4.8.1	n.a.
Panel controller	FPE-8000-PPC	F.01U.352.441	4.8.1	n.a.
AVENAR keypad 8000	FPE-8000-FMR	F.01U.327.092	4.8.1	n.a.
Remote Programming Software	FSP-5000-RPS	F.01U.005.615	5.15.27	5.15.28
AVENAR OPC server	FSM-5000-OPC	F.01U.410.110	3.0.4	n.a.
AVENAR FSI server SDK	FSM-5000-FSI	F.01U.410.111	3.0.4	n.a.
AVENAR BACnet server	FSM-8000-BNS	F.01U.429.130	1.3.0	n.a.

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

Start Date		**Completion Date**	

Solved issues
- Rollback: For the FLM-420-RLE-S, the feedback input 2 (logical input 5) to trigger an event is again available in the configuration when the output is set to use as **Extinguishing interface VdS2496(2005)**. The logical input 5 is no longer removed when opening an existing configuration. This was the case with RPS versions 5.14.17 and 5.15.27. For this reason, these RPS versions shall no longer be used and will be removed from the Extranet. Nevertheless this logical input 5 is re-introduced, it is strongly recommended to set this input to usage type **Unused**! See chapters 'Important information' and 'RPS configuration examples'. - Fixed: The settings **Dependencies** and **Reset action** are not anymore available for the inputs that are set as usage type **Input normal/trouble** and **Input on/off**. These settings are not supported by the panel for these usage types. - Fixed: The setting **Dual group dependency** was not persistent for the inputs of the FLM-430-I2M1 and FLM-430-I4R2 modules when set as usage type **Fire**, **Fire internal**, **Heat** and **Smoke**. This setting stays check marked when pressing **Apply**. - Fixed: Subsequent upgrade of configurations was no longer possible. After installation of RPS version 5.15.27, only the first configuration upgrade could be performed. Further configuration upgrades failed.

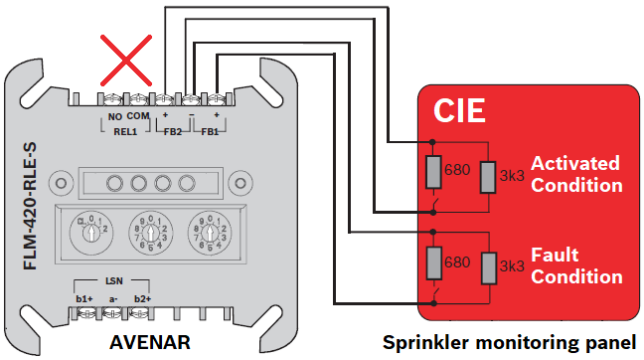
Known topics
- RPS may not display a consistency check warning if a function key and an input group are assigned with the same address. Ensure that all function keys have a unique address that does not conflict with any input group address. - RPS: The Configuration Overview dialog may require a full configuration download when no configuration changes have been made. This can occur when the panel's time and date are not synchronized with the laptop running FSP-5000-RPS. Before downloading the configuration, use the **Set Panel Time** feature in FSP-5000-RPS to synchronize the panel's time. - RPS: in a specific case, it could be possible to set the line monitoring to **Triple resistor/detector** for the inputs of the FLM-430-I4R2 when configured with usage types **Input normal/trouble** and **Input on/off**. As this is an invalid configuration it will cause the panel to reboot when an info alarm is triggered on this input. Do not use this combination of settings. - Autodetection of LSN elements installed on a LSN 1500 A module could fail with RPS V5.15.27 and V5.15.28. - Due to an internal policy change of Microsoft, the USB driver delivered with RPS might not be considered anymore as trusted by Windows 11, please refer to: https://support.microsoft.com/en-us/windows/the-windows-driver-policy-ecd2a78c-750c-415d-93f2-e37302ce0443

Important information

According to the regulations, there is a significant difference between a **sprinkler monitoring system** and a **gas extinguishing system**. As a result, the interface between AVENAR and these two types of fixed firefighting systems is also different.

1. Sprinkler monitoring system

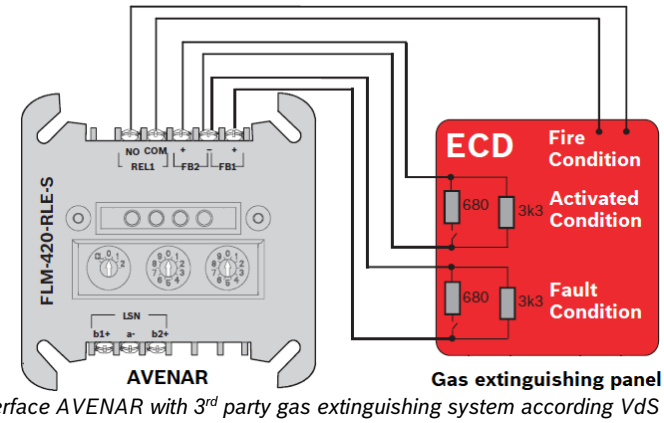
A sprinkler and water spray system is monitored by EN54 certified Central and Indication Equipment (CIE, aka fire detection panel). A sprinkler system is automatically activated by a temperature sensitive glass bulb. By using inputs, the fire panel monitors the position of water flow sensors and the activation of pumps. In large size projects a separate 3rd party fire panel is often used to monitor the sprinkler system. In this case AVENAR can be interfaced with the sprinkler monitoring panel (CIE) using two inputs. This can be done by the FLM-420-RLE-S module. Nevertheless, other interface modules can be used as well. There is no need for an output from AVENAR to activate the sprinkler system.



Interface AVENAR with 3rd party sprinkler and water spray system

2. Gas extinguishing system

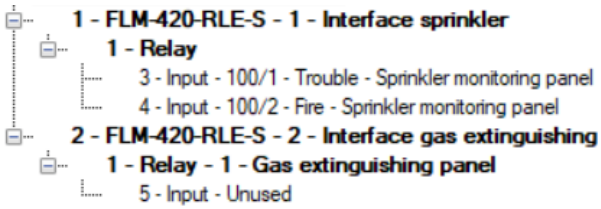
A gas extinguishing system is activated and monitored by an EN12094 certified Electrical Control and Delay device (ECD, aka extinguishing panel). The extinguishing panel is connected to releasing equipment (valves and gas bottles), warning devices, emergency abort devices (blue manual call points) and manual release devices (yellow manual call points). Mainly in small size projects the extinguishing panel is usually equipped with fire detectors to provide the fire alarm condition. In large size projects a separate fire panel (CIE) is often used for the detection of a fire. In this case an output to fire protection equipment is used for transmitting the fire alarm condition from the fire panel to the extinguishing panel. According to VdS 2496, the fire panel shall monitor the extinguishing panel by means of two inputs: one input for fault condition and one input for activated condition. The FLM-420-RLE-S module provides exactly this interface to connect AVENAR with an extinguishing panel (ECD).



Interface AVENAR with 3rd party gas extinguishing system according VdS 2496

RPS configuration examples 1/2

Because of the different interfaces, there is also a significant difference between the configuration of an interface with a sprinkler system and an interface with a gas extinguishing system.

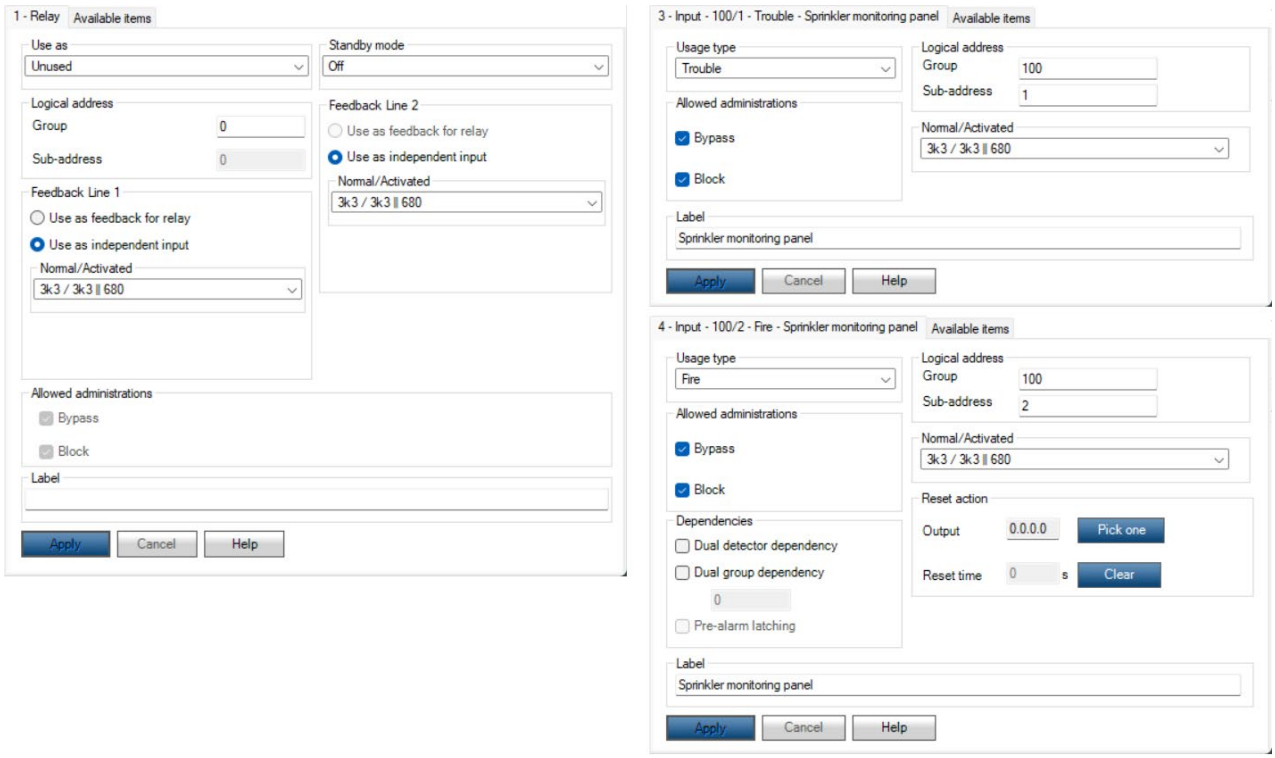


FSP-5000-RPS: tree view containing both interfaces

We kindly request you to follow the recommendations made by these configuration examples.

1. Sprinkler monitoring system

The output of the RLE module is set to **Unused** while both inputs (Feedback line 1 & 2) are set to **Use as independent input**. When the RLE module is not installed adjacent to the sprinkler monitoring panel, the line monitoring setting of both inputs **Normal/Activated** must be set to **3k3 / 3k3||680**. To receive the fault condition, set one input to usage type **Trouble.** To receive the activation condition, set the other input to usage type **Fire**. Depending on the customer requirements, other usage types can be chosen.

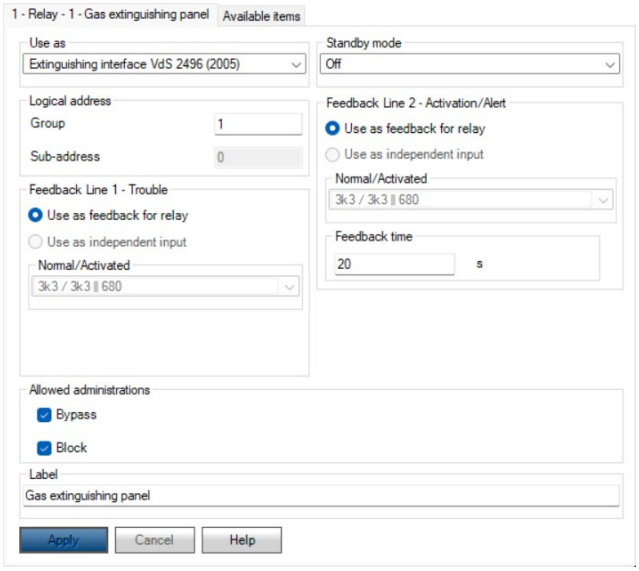


FSP-5000-RPS: input configuration for sprinkler monitoring interface

RPS configuration examples 2/2

2. Gas extinguishing system

The output of the RLE module is set to **Extinguishing interface VdS 2496 (2005)**. As a result, both inputs are automatically set to **Use as feedback for relay** with the line monitoring setting **Normal/Activated** set to **3k3 / 3k3||680**.

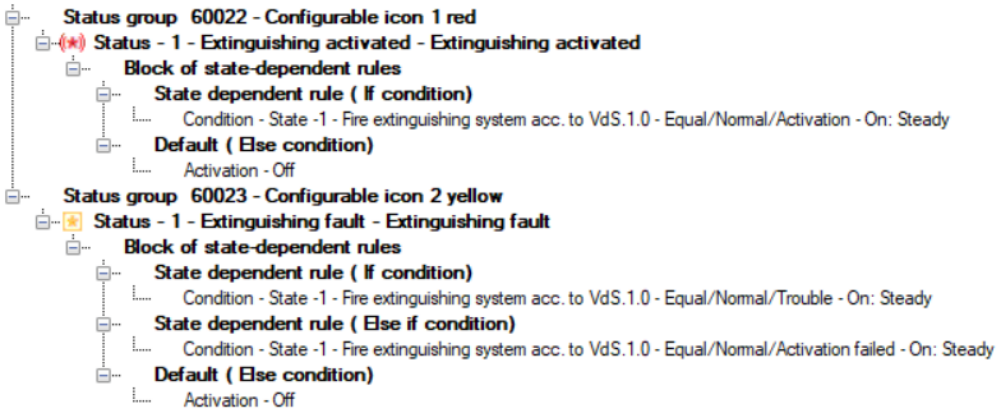


FSP-5000-RPS: output configuration for gas extinguishing system

With this output setting, the inputs 1 and 2 are automatically set correctly to monitor the gas extinguishing system by AVENAR in compliance with VdS 2496. No need to apply additional settings to feedback input 2 (logical input 5).

According to VdS 2496 it is not allowed to generate a fire alarm condition on AVENAR panel when the extinguishing system is activated by a manual release device. (by pressing a yellow call point connected to the fire extinguishing panel → no fire detected by AVENAR panel). As a result, it is mandatory to set the re-introduced feedback input 2 (logical input 5) to **Usage type: unused**. When a usage type is set for input 2 (logical input 5), the RPS consistency check will generate the following warning: "*This is not compliant according to VdS 2496. In case you want to comply, please change the input to Unused.*"

In case you want to use the 'Activated condition' and/or 'Fault condition' of the extinguishing system in RPS for counters and rules, e.g. transmission to the fire brigade using the transmission device (ÜE) connected to AVENAR panel, use the **activating element type: Fire extinguishing system**. For the activated condition use the logical compound state: **Activation**, for fault condition combine the states **Trouble** and **Activation failed**.



FSP-5000-RPS: example of usage of the activated and fault condition of the extinguishing system in rules

Notes:
- AVENAR panel 8000/2000 firmware V4.8.1 is compatible with OPC server 3.0.4 - AVENAR panel 8000/2000 firmware V4.8.1 is compatible with FSI-lib 3.0.4 - AVENAR panel 8000/2000 firmware V4.8.1 is compatible with FAT2002 V4.24.12.79 - AVENAR panel 8000/2000 firmware V4.8.1 is compatible with IFAM system 4000 V01.03.11.00 - OPC/FSI 3.0.4 supported by Windows 11 on the host machine. - BACnet 1.3.0: supported by Windows 11 and Windows Server 2025. (Release planned in near future) - FSM 5.8 is compatible with AVENAR panel 4.6.0 (FSI 3.0.0) and AVENAR panel 4.7.0 (FSI 3.0.2) Please select FSI 3.0.0 in FSM - FSP-5000-RPS V5.15.28 is supported by the following Windows operation systems: - Windows 11, 2024 Update (version 24H2) (64-bit) - 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.

Attachment(s)

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