

Technical Information	Date: 01.07.2022 Official: Wittmann Department: BT-FIR/MKP1
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Tech. Information No.	2452 / 2022
Subject:	Connection of fire detectors to FLM-420-I8R1-S – usage type “fire”

Short Description:	Limitations when connecting devices to FLM-420-I8R1-S with usage type “fire”
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Hardware <input checked="" type="checkbox"/>	<input type="checkbox"/> Device	<input type="checkbox"/> Module	<input type="checkbox"/> PCBA
Software <input type="checkbox"/>	<input type="checkbox"/> Application	<input type="checkbox"/> Driver / Extension	<input type="checkbox"/> Firmware

Affected Products (details)	CTN	SAP no.	Aff. version	New version
Octo-input interface module with relay	FLM-420-I8R1-S	F.01U.033.251		

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 type="checkbox"/>	Change has to be made, if the error pattern recurs and with new installations.
None <input checked="" type="checkbox"/>	General Information (like new tool, new feature, new SW release)

Action Plan	
<input 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 checked="" type="checkbox"/>	See detailed actions on following pages

Start Date		Completion Date	
New Features:			
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Important information:

For input usage type "fire" at the FLM-420-I8R1-S, EN54-2 conformity is only guaranteed for devices released by BT-FIR.

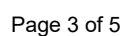
- **The following settings for line monitoring with EOL resistor (3.9 kΩ) must be used**
 - Short: $R < 800 \text{ Ohm}$
 - Normal: $1500 \text{ Ohm} < R < 5500 \text{ Ohm}$
 - Open: $R > 85000 \text{ Ohm}$

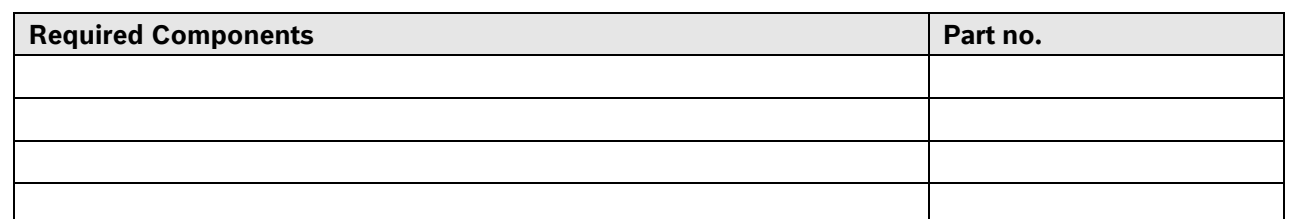
Current released devices:

- F.01U.393.476, FCS-LHD-2EN, Linear heat detector, VdS

The following limitations must be considered when using the FCS-LHD-2EN:

- **Only one alarm zone per I8R1** can be used
LHDs only from the same logical group address can be used
- **Pre-alarm function of FCS-LHD-2EN must not be used**
Only alarm and fault of FCS-LHD-2EN can be detected
- **Maximum 200 LSN devices including max. 2 EOL modules**
The LSN bus is restricted to 200 LSN devices including max. 2 EOL modules





Attachment(s)

none

BU Manager

Thomas Knauel

Clerk in Charge:

Sören Wittmann

Distribution

Distribution BU FIR Fire Systems	<input checked="" type="checkbox"/> Julian Tersteegen (BT-FIR/QMM), Gerhard Puechler (BT-FIR/QMM), Andreas Speich (BT-FIR/QMM), Thomas Knauel (BT-FIR/MKP BT-FIR/PJ-PG), Michael Heckl (BT-FIR/MKP3) <input checked="" type="checkbox"/> Josef Angstenberger (BT-FIR/MKR-EU) <input checked="" type="checkbox"/> Ong Kah Seong (BT-FIR/SAM-AP BT-FIR/MKR-AP), Leonard Hew (BT-FIR/MKR-AP) <input checked="" type="checkbox"/> Ivan Paredes (BT-FIR/MKR-LA BT-FIR/MKR-SLB), James Mottorn (BT/FIR-MKP-AM) <input type="checkbox"/> <input type="checkbox"/>
Other parties affected	<input type="checkbox"/> Felix Schrimpf (BT-ASA/MKP BT-ASA/MKC) <input type="checkbox"/> Konrad Proyer (BT-ASA/MSR-Sab), Andre Dias (BT-ASA/SRA-LA), Jim Wilson (BT-ASA/TCR-Lio), Tan Woo Khiang (BT-ASA/SRA-AP) <input type="checkbox"/> Manjit Gill (BT-ASA/STS2-EU) <input type="checkbox"/> Teleservice Support (SO/OPM8.10Mb) <input checked="" type="checkbox"/> Holger Behrens (BT-IE/BDP-SF) <input type="checkbox"/> Petra Adelman (BT-IE/CTA-CSS1) <input checked="" type="checkbox"/> Philipp Pauly (BT-IE/BDP-SF)