

LSN Interface Modules Series 420

**FLM-420/4-CON****FLM-420-NAC****FLM-420-RHV**

Interface type	Conventional Interface Module 4-wire LSN	Signaling Device Interface Module	Relay High Voltage Interface Module
Function	Connecting conventional detectors to LSN fire panels	Connecting signaling devices	2 change-over contact relays with feedback lines
Wiring type	4-wire	4-wire	2-wire
Input voltage LSN	15 V DC to 33 V DC	15 V DC to 33 V DC	15 V DC to 33 V DC
Max. current consumption from LSN	8.5 mA	6.06 mA	17.15 mA
Potential-free outputs	—	—	•
Maximum contact load	—	—	10 A/120 V AC 10 A/230 V AC 10 A/24 V DC 6 A/30 V DC
Maximum switching load	—	—	—
Protection category	-S: IP 54; -D: IP 30	-S: IP 54; -D: IP 30	-S: IP 54; -D: IP 30
Permissible operating temperature	-20°C to +55°C	-20°C to +50°C	-20°C to +50°C
Connectable to LSN classic fire panels	•	•	•
Design			
- E: in-built	—	—	—
- W: wall-mount	—	—	—
- D: DIN rail	•	•	•
- S: with surface-mounted housing	•	•	•

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**FLM-420-RLV1****FLM-420-RLV8-S****FLM-420-I2**

Interface type	Relay Interface Module Low Voltage	Octo-relay Interface Module Low Voltage	Input Interface Module
Function	1 change-over contact relay	8 change-over contact relays	Monitoring of up to 2 inputs
Wiring type	2-wire	2-wire	2-wire
Input voltage LSN	15 V DC to 33 V DC	15 V DC to 33 V DC	15 V DC to 33 V DC
Max. current consumption from LSN	1.75 mA	3.55 mA	10.4 mA
Potential-free outputs	•	•	–
Maximum contact load	-D: 5 A/30 V DC -S: 2 A/30 V DC	2 A/30 V DC	–
Maximum switching load	–	–	–
Protection category	IP 30	IP 54	IP 30
Permissible operating temperature	-20°C to +55°C	-20°C to +65°C	-20°C to +65°C
Connectable to LSN classic fire panels	•	•	–
Design			
- E: in-built	•	–	•
- W: wall-mount	–	–	•
- D: DIN rail	•	–	•
- S: with surface-mounted housing	–	•	–

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**FLM-420-02****FLM-420-I8R1-S****FLM-420-O8I2-S**

Interface type	Output Interface Module	Octo-input Interface Module with Relay	Octo-output Interface Module with 2 Inputs
Function	2 semi-conductor outputs for controlling external devices	Monitoring of up to 8 inputs	8 semi-conductor outputs for controlling external devices and 2 monitored inputs
Wiring type	2-wire	2-wire	2-wire
Input voltage LSN	15 V DC to 33 V DC	15 V DC to 33 V DC	15 V DC to 33 V DC
Max. current consumption from LSN	4.9 mA	5.5 mA	5.5 mA
Potential-free outputs	•	•	•
Maximum contact load	–	2 A/30 V DC	–
Maximum switching load	700 mA/30 V DC	–	700 mA/30 V DC
Protection category	IP 30	IP 54	IP 54
Permissible operating temperature	-20°C to +65°C	-20°C to +65°C	-20°C to +65°C
Connectable to LSN classic fire panels	–	•	•
Design			
- E: in-built	•	–	–
- W: wall-mount	•	–	–
- D: DIN rail	•	–	–
- S: with surface-mounted housing	–	•	•

LSN Interface Modules Series 420

**FLM-420-01I1****FLM-420-RLE-S****FLM-I 420-S**

Interface type	Output-input Interface Module	Extinguishing Interface Module	Short Circuit Isolator
Function	1 semi-conductor output for controlling external devices and 1 monitored input	Connection of extinguishing system	Isolating alarm zones with short circuit
Wiring type	2-wire	2-wire	2-wire
Input voltage LSN	15 V DC to 33 V DC	15 V DC to 33 V DC	15 V DC to 33 V DC
Max. current consumption from LSN	1.9 mA	7.9 mA	0.25 mA (after initialization)
Potential-free outputs	•	•	–
Maximum contact load	–	–	–
Maximum switching load	700 mA/30 V DC	–	–
Protection category	IP 30	IP 54	IP 54
Permissible operating temperature	-20°C to +65°C	-20°C to +50°C	-20°C to +50°C
Connectable to LSN classic fire panels	–	•	–
Design			
- E: in-built	•	–	–
- W: wall-mount	–	–	–
- D: DIN rail	•	•	–
- S: with surface-mounted housing	–	•	•