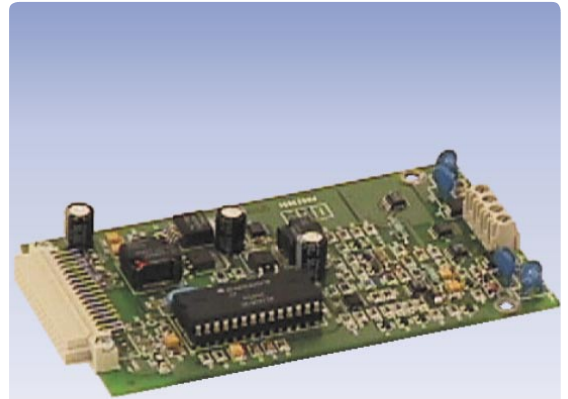# Loop Interface
LIF64-1

- **Intelligent analogue ringbus technology**

- **Up to 99 detectors and 99 modules with System Sensor/200 protocol**

- **Up to 126 detectors or modules with Apollo/Discovery protocol**

- **Easy setup of loop elements thanks to AUTO configuration**

- **Maintenance prognosis for smoke detectors**

Description

The Loop Interface LIF64-1 allows for the connection of one ADM loop with bi-directional data exchange and up to 128 detector zones to fire detection control panels Series BC216. The ADM loop supports 198 elements (99 detectors and 99 modules) with System Sensor/200 protocol or 126 elements (detectors and/or modules) with Apollo/Discovery protocol.

Each ADM loop can be subdivided into a maximum of 128 detector zones. The function of the detector zone (automatic fire detector zone, technical message, fault detection zone, etc.) as well as the element type (e.g., automatic detector, manual call point, monitor module, control module or conventional zone module) can be parameterised on the fire detection control panel.

A two-sided isolator is integrated on the Loop Interface (at the beginning and the end of the loop). The loop wiring can be realized as ring, branch or any given combination of sectional rings and branches.

Thanks to the ring-shaped cabling, all elements on the loop remain functional in the event of a single wire breakage. In addition, the wire breakage is displayed on the control panel. What is more, the operational reliability of those parts of the loop that are not affected is secured in the event of a short circuit. Unshielded wires can be used for the fire detector cabling and, therefore, existing installations can be assumed smoothly and existing cabling can be reused.

On the control panel, you can perform a maintenance prognosis for each connected smoke detector. The continuous monitoring of the detector function allows for cost-optimized operation and optimum planning of the maintenance works.

The Loop Interface provides a processor of its own. At a possible central processing board failure, the diversified redundancy concept thus ensures reliable alarm recognition.

VdS

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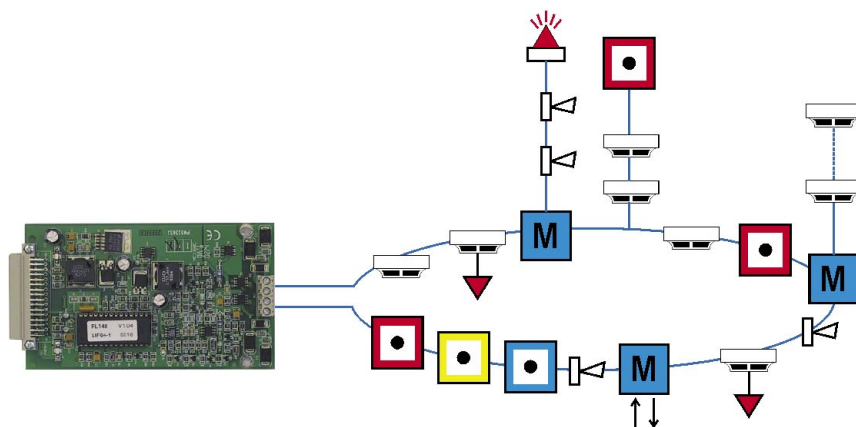
Specifications

Current consumption at 24V (without detectors/modules)	typ. 25mA
Idle loop current	typ. 300µA per detector/module
Total loop current	max. 300mA (at reduced line resistance)
Idle loop voltage	typ. 26V (Apollo/Discovery) or typ. 29V (System Sensor/200), respectively
Loop line resistance	max. 50Ω per core
Ambient temperature	-5°C to +50°C
Dimensions L × W × H	132 × 74 × 10 (mm)
Weight	80g
Part No.	214021
Order name	Loop Interface LIF64-1

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