## Mini Input/Output Modules FI700/MM1IN10UT, FI700/MM1IN1REL

- Loop technology with Labor Strauss protocol
- One input with line-monitoring and one output with line-monitoring or with dry relay contact
- Bi-colour status LEDs
- Up to 240 modules or detectors on a loop
- Integrated dual-isolator
- Mounting in a switch cabinet or on a mounting plate

## Description

The addressable Input/Output Modules FI700/MM1IN-10UT and FI700/MM1IN1REL serve for the line-monitored connection of contact detectors to a loop and for the actuation of external devices via the loop with Labor Strauss protocol. In this way manifold devices such as manual call points, supervising contacts, fire doors, sirens or solenoid valves can be easily integrated into loop-based fire detection systems.

The bi-directional communication on the loop allows for a fast actuation of the output and an accurate evaluation of the status of the module and the connected detector. An integrated dual-isolator disconnects the loop in case of a short circuit. In this way, the undisturbed communication with the loop elements outside the faulty loop section is ensured.

The Input/Output Module FI700/MM1IN1OUT provides one input and one output, each with line-monitoring for wire breakage and short circuit and a maximum load current of 2A. An external power supply is required for the supply of the connected load device.

The Input/Output Module FI700/MM1IN1REL compri-

ses one input with line-monitoring and one output with a dual dry change-over contact. The potential-free contacts can be used to activate ancillary devices without monitoring of the cabling.

The modules are equipped with two bi-colour status LEDs that indicate the alarm condition of the input in red colour, the activated condition of the output in green and the fault condition in yellow.

The module address can be set by means of the Programming Unit FI750/PU within the range 1 to 240. In addition, the programming unit allows for the reading-out of several parameters, such as the default analogue value or the production date.

Alternatively, the module can be addressed automatically if it is connected to a compatible fire detection control panel.

The modules are designed for mounting in a switch cabinet, on a mounting plate or inside the housing of the ancillary device.





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## Specifications

Operating voltage	supply through loop voltage
Current consumption at 24VDC	typ. 120µA (normal communication)
Current consumption module LED	typ. 6mA
Ambient temperature	-30°C to +70°C (no icing)
Relative humidity	5 – 95% (no condensation)
Protection class	IP30
Dimensions L $\times$ W $\times$ H	75 × 52 × 30 (mm)
Colour	white
Weight	70g
Input/Output Module FI700/MM1IN10UT	
External supply voltage	max. 30VDC
Output load current	max. 2A
Output supervision current	typ240µA
End-of-line resistor	27kΩ
Approvals	VdS G212121 2797-CPR-697215
Order number	249259
Order name	Module Mini 1xln 1xOut/700 FI700/MM1IN10UT
Input/Output Module FI700/MM1IN1REL	
Contact rating relay output	2A at 30VDC 0.5A at 125VAC
Approvals	VdS G212122 2797-CPR-697215
Order number	249260
Order name	Module Mini 1xln 1xRel/700 FI700/MM1IN1REL





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