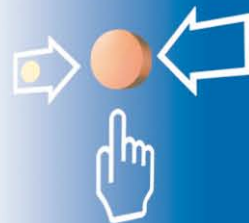
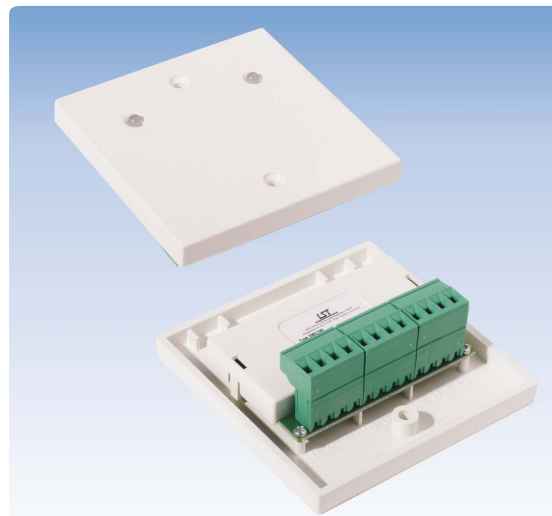


# Input/Output Modules

## FI700/M1IN1OUT, FI700/M1IN1REL



- **ADM loop technology with Labor Strauss/700 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**
- **Different module boxes for wall mounting available**



### Description

The addressable Input/Output Modules FI700/M1IN1OUT and FI700/M1IN1REL serve for the line-monitored connection of contact detectors to an ADM loop and for the actuation of external devices via the ADM loop with Labor Strauss/700 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 undistur-

bed communication with the loop elements outside the faulty loop section is ensured.

The Input/Output Module FI700/M1IN1OUT 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/M1IN1REL comprises 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 Module Box FI700/MBD/KO has two knock-outs and is delivered with two grommets. The box allows for an easy wiring especially with surface mounted cabling.

The Module Box FI700/MB serves for the indoor surface-mounting of the module.

The Deep Module Box FI700/MBD is a deeper version of the FI700/MB and offers more space for an easy wiring of the module. The box is provided with an auxiliary terminal at the bottom.



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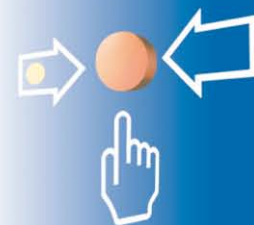
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The modules are equipped with two bi-colour status LEDs that indicate the alarm condition of the input in red colour, the activated condition of the output in green and the fault condition in yellow.

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.



## 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 (in combination with module box)	IP42
Dimensions L × W × H	87 × 87 × 32 (mm)
Colour	white
Weight	80g

### Input/Output Module FI700/M1IN1OUT

External supply voltage	max. 30VDC
Output load current	max. 2A
Output supervision current	typ. -240µA
End-of-line resistor	27kΩ
Approvals	VdS G212053 0086-CPD-533485
Order number	249253
Order name	Module 1xIn 1xOut/700 FI700/M1IN1OUT

### Input/Output FI700/M1IN1REL

Contact rating relay output	2A at 30VDC 0.5A at 125VAC
Approvals	VdS G212016 0086-CPD-533485
Order number	249254
Order name	Module 1xIn 1xRel/700 FI700/M1IN1REL

### Module Box FI700/MBD/KO

Dimensions L × W × H	87 × 87 × 41 (mm)
Weight	78g
Order number	249274
Order name	Module Box 41mm/700/Knock-out FI700/MBD/KO

### Module Box FI700/MB

Dimensions L × W × H	87 × 87 × 30 (mm)
Weight	80g
Order number	249270
Order name	Module Box 30mm/700 FI700/MB

### Module Box FI700/MBD

Dimensions L × W × H	87 × 87 × 52 (mm)
Weight	130g
Order number	249271
Order name	Module Box 52mm/700 FI700/MBD

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