

**FG901MIO3\_AP / FG901MIO\_AP /  
FG901MI3\_AP / FG901MIO2\_AP**

# INPUT/OUTPUT ADDRESSABLE MODULE WITH SHORT CIRCUIT ISOLATOR



## PRODUCT OVERVIEW

The new series of analogue multi modules of the **FG901MI** line implements supervision and monitoring functions for the activation and supervision of auxiliary devices.

Each **FG901MI** can be addressed manually, by programmer or by fire detection control unit with protocol or with auto addressing by fire detection control unit with protocol.

The input channels monitor the rest, alarm and fault condition through the balancing resistors provided. The output channels can be either monitored or formC type.

In the case of monitored output, the end of line (cut, short cables) and the presence of the power supply on the load, supplied with end-of-line resistance and diode are checked.

In the case of formC output, the module offers potential-free relay contacts.



## GUARANTEED COMMUNICATION

The **FG901MI** series modules are equipped with an integrated short-circuit isolator.

This means that in the event of a failure on a loop or on a single device, communication with the devices themselves is not interrupted.

Thus greater system reliability is guaranteed.

## Features

- Applus approved in compliance with EN54-17 EN54-18 standards
- Communication protocol
- Isolator integrated in each device
- Manual addressing via the programmer
- Auto addressing for devices on loops even with "T" connections
- Auto mapping function
- Reading of the voltage value at the terminals of the addressed devices
- 240 addresses available per loop (remember that each multi-module occupies several addresses depending on the model)
- Three-colour LED (red / green / yellow) controlled by the control unit
- FG901MIO3\_AP Certificate n°1922 - CPR - 1124
- FG901MIO\_AP Certificate n°1922 - CPR - 1124
- FG901MI3\_AP Certificate n°1922 - CPR - 1124
- FG901MIO2\_AP Certificate n°1922 - CPR - 1124



MODEL	DESCRIPTION
FG901MIO3_AP	Addressable Module 3 inputs and 1 supervised output with short-circuit isolator
FG901MI3_AP	Addressed module 3 inputs with short circuit isolator
FG901MIO_AP	Addressable Module 1 input 1 output form C 1 supervised output with short circuit isolator
FG901MIO2_AP	Addressed module 1 input 2 output form C outputs 1 with short circuit isolator



# Technical Specification

Device	FG901MIO3_AP	FG901MI3_AP	FG901MIO_AP	FG901MIO2_AP
Type:	3 supervised inputs + 1	1 supervised input + 1 monitored output 1 monitored output	3 supervised inputs	1 supervised input + 2 formC outputs
Certification body:	Applus	Applus	Applus	Applus
Certification:	EN54-17,EN54-18	EN54-17,EN54-18	EN54-17,EN54-18	EN54-17,EN54-18
Addresses on loops:	4	3	3	3
Loop:	Up to 240 addresses available along 2Km cable *	Up to 240 addresses available along 2Km cable *	Up to 240 addresses available along 2Km cable *	Up to 240 addresses available along 2Km cable *
Supply voltage:	27V	27V	27V	27V
Stand by consumption:	130uA@27V	130uA@27V	130uA@27V	130uA@27V
LED current consumption:	6ma@27V	6ma@27V	6ma@27V	6ma@27V
Operation temperature:	-5°C/+40°C	-5°C/+40°C	-5°C/+40°C	-5°C/+40°C
Humidity:	95% RH (without condensation)	95% RH (without condensation)	95% RH (without condensation)	95% RH (without condensation)
Dimensions:	106x54x27 mm	106x54x27 mm	106x54x27 mm	106x54x27 mm
Weight:	100g	100g	100g	100g

\* Note: subject to load calculations and use of appropriate cables

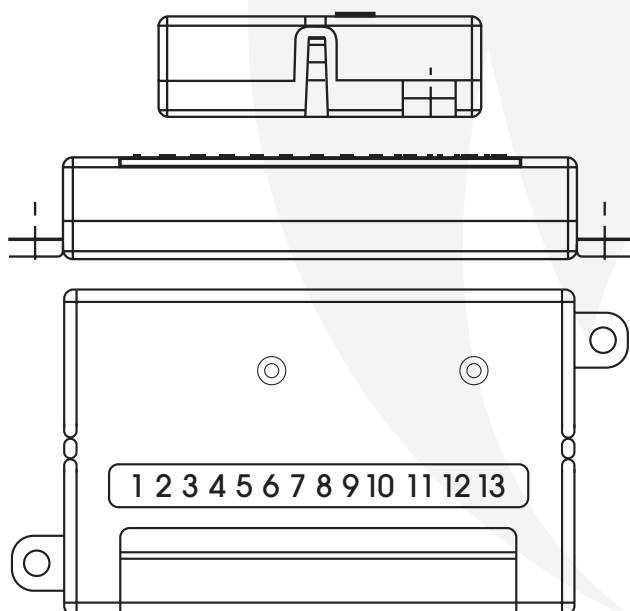
## SIMPLIFIED INSTALLATION

The installation of **FG901MI** series is very simple, the programming of the addresses takes place via the programmer or through auto addressing, no DIP switches or rotary switches are used.

Auto addressing for devices on loops also operates with "T" connections.

The **FG901MI** modules offer a combination of inputs and outputs in a single container thus allowing to save on the assembly and cost of the cables compared to single modules.

Obviously **FG901MI** will always occupy a number of addresses given by the type of module purchased.



## CONSTRUCTION

The **FG901MI** range is made of matt white ABS. It is equipped with extractable terminal blocks both towards the loop and towards the field.

It is possible to use cables with a maximum section of 2.5mm

## APPROVALS AND COMPLIANCE

The entire **FG901MI** range is Applus certified according to the EN54 standard parts 17 and 18.



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