



FIREGUARD



FG901MIO3_AP / FG901MIO_AP / FG901MI3_AP / FG901MIO2_AP INPUT/OUTPUT ADDRESSABLE MODULE WITH SHORT CIRCUIT ISOLATOR



Description

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 form C 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
- FG901MIO2_AP Certificate n°1922 - CPR - 1124
- FG901MI3_AP Certificate n°1922 - CPR - 1124
- FG901MIO2_AP Certificate n°1922 - CPR - 1124

Model	Description
FG901MIO3_AP	Addresable Module 3 inputs and 1 supervised output with short-circuit isolator
FG901MI3_AP	Addressed module 3 inputs with short circuit isolator
FG901MI3_AP	Addresable 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 1with short circuit isolator

Technical Specification

Device	FG901MIO3_AP	FG901MI3_AP	FG901MIO2_AP	FG901MIO2_AP
Type:	3 supervised inputs + 1	1 supervised input + 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

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

Approval And Compliance

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

