



DESCRIPTION

The new series of analogue sensors of the FG901 DETECTOR range constantly monitor the fire alarm condition. The advanced design of the optical chamber ensures excellent resistance to dust entry, which means that the sensor's performance is not compromised. Each sensor is equipped with drift compensation, it communicates its parameters to the control unit such as operating conditions, smoke darkening levels, dirt levels and temperature levels. Each sensor 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.

GUARANTEED COMMUNICATION

The sirens of the FG901 SOUND series are equipped with an integrated short-circuit isolator conforming to the EN54-17 standard. 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.

Model	Description
FG901SI_AP	addressed siren EN54-3, EN54-17
FG901SFI_AP	addressed siren with flashing light EN54-3 EN54-17
FG901SFI23_AP	addressed siren with flashing light EN54-3 EN54-17, EN54-23

FEATURES

- Applus approved in compliance with EN54-3 EN54-17 standards (FG901SI_AP, FG901SFI_AP)
- Applus approved in compliance with EN54-3 EN54-17 and EN54-23 standards (FG901SFI23_AP)
- 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
- FG901SI_AP Certificate n01922-CPR-1141
- FG901SFI_AP Certificate n01922-CPR-1142
- FG901SFI23_AP Certificate n01922-CPR-1143



FG901SI_AP



FG901SFI_AP



FG901SFI23_AP

**TECHNICAL SPECIFICATION**

Device	FG901SI_AP	FG901SFI_AP	FG901SFI23_AP
Type:	Addressed siren	Addressed siren + flashing light	Addressed siren + flashing light EN54-23
Certification body :	Applus	Applus	Applus
Certification :	EN54-3,EN54-17	EN54-3,EN54-17	EN54-3,EN54-17, EN54-23
Supply voltage :	27V	27V	27V
Stand by consumption :	120uA@27V	120uA@27V	120uA@27V
Alarm consumption :	7mA@27V-line	25mA@27V-line	38mA@27V-line
Absorbed power :	0.2W	0.6W	1.45W
Coverage :			W-2,4-5
Siren voltage ON :	24Vdc	24Vdc	24Vdc
Sound output :	80-100dB	80-100dB	80-100dB
Operation temperature :	-10°C/+55°C	-10°C/+55°C	-10°C/+55°C
Humidity :	85% RH (without condensation)	85% RH (without condensation)	85% RH (without condensation)
Maximum cable section :	2.5mm	2.5mm	2.5mm
Degree of protection :	IP65 (with PG7 cable glands)	IP65 (with PG7 cable glands)	IP65 (with PG7 cable glands)
Size :	D:100mm H:92mm	D:100mm H:92mm	D:100mm H:107mm

SIMPLIFIED INSTALLATION

The installation of the sirens 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 connections are facilitated by the presence of an extractable terminal board capable of accommodating cables with a maximum section of 2.5mm, and in addition the base is deep, thus offering more space to facilitate loop wiring. The degree of protection IP65 is achieved by equipping the base with PG7 cable glands.

CONSTRUCTION

The range of addressed sirens in the FG901 SOUND line has been designed to be simply installed and programmed. The plastics are made of glossy red ABS, it is possible to mechanically block the sirens on the base.

APPROVAL AND COMPLIANCE

The entire FG901 SOUND sirens range is Applus certified according to the EN54 standard parts 3,17 (FG901SI_AP, FG901SFI_AP) and parts 3,17,23 (FG901SFI23_AP).