

EN 900 SERIES MODEL FG901CP_AP

FIRE ALARM CONTROL PANEL 1 LOOP EXPANDABLE TO 9 ADDRESSABLE WITH TOUCH SCREEN



PRODUCT OVERVIEW

FG901CP_AP is a microprocessor fire control panel that allows fire detection by means of cabled or wireless devices, and it can be programmed and consulted from a touchscreen display.

MAIN FEATURES

Multiprotocol control panel, with its minimal set-up it is able to manage open or closed loops of 240 compatible devices. Basic configuration can be expanded adding two loops each time to control up to 2160 devices, both optical and thermal, from a single control panel. In complex applications, it can be installed in a ring network (up to 128 control panels). In this distributed architecture, areas and zones can be monitored by detectors and they can be combined by means of logical expressions in order to trigger events for the panel to which they belong or for other panels of the ring network. With the installation of dedicated cards, it is also possible to connect the control panel to external peripheral, such as keyboards and LED panels.

Certified UNI EN 54-2 e 54-4 for fire detection and report, this control panel provides three different access levels according to the user (installer, safety responsible and final user). The touch interface, simple and ergonomic, permits to any user to interact intuitively without training time and costs. The configuration procedure is immediate, autoprogramming and auto-addressing mechanisms allow to recognize, consult and program the devices on the field in a fast, systematic and correct way.

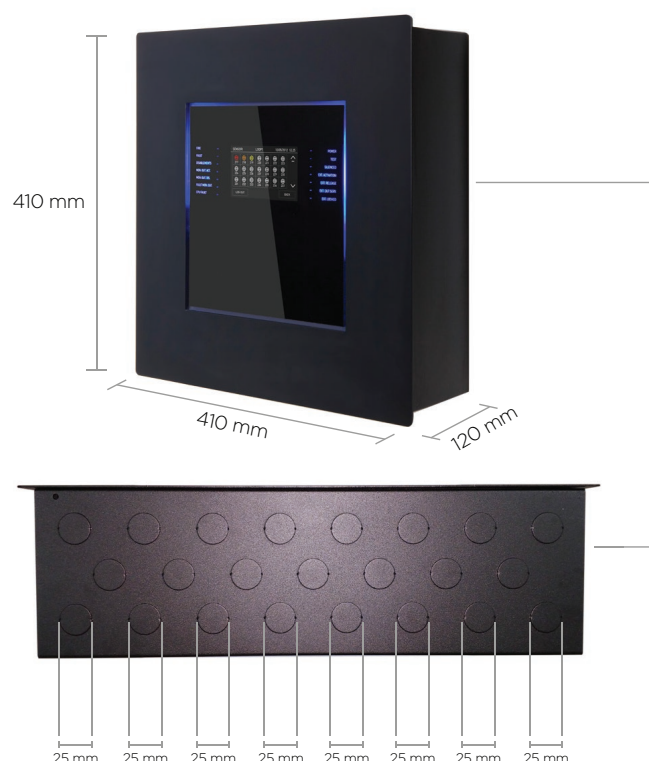
The control panel can be programmed locally or from remote, by means of the dedicated online platform OneCloud, data can be exported and imported with any USB key. Monitoring is made possible thanks to WINWATCH32 supervision system.

Detectors and devices diagnostics are carried on directly from the control panel, and a single operator is able to perform autonomously all the test procedures, and to check implant operativity of all its components. Regular maintenance interventions can be optimally planned and executed.

Diagnostic data and historical data stored by the control panel can be easily exported and analyzed.

Control panel can be customized for any installation condition: colour, display background, programmable LED colour, logo displayed in welcome screen and the language can be selected as preferred.

MODEL	DESCRIPTION
FG901CP_AP	Fire alarm control panel 1 loop expandable to 9 addressable with touch screen
FG901LC_AP	Expansion card 2 loops card each loop support 240 devices
FG901NC_AP	Network interface
FG901PSU_AP	Additional power supply
FG901RP_AP	16 Nos Touch screen repeater panel
FG901 56 LED_AP	16 nos MINIC Panel
FG901MD_AP	Multiprotocol universal interface with Modbus
WIN32	GUI SUPPORT 1 Server and 10 clients, Full integrated monitoring station with Graphical Map for 128 Nos of FG panels



APPLICATIONS

Created to fit big and small installations, it finds its main application in the following fields:

- Industrial implants, offices, shops and community buildings
- medium and big size structures, also with distributed spaces
- complex control systems
- other supervision and control systems

Technical Specification

Certification :	2004/108/EC (EMC directive), 2006/95/EC (Low voltage directive), UNI EN 54-2 (Control and signal central unit), UNI EN 54-2 (Power supply device)
Microprocessor :	32 bit
Master card:	TD571/D
Memory :	RAM: 2 MB, Flash: 512 KB, EEPROM: 4 MB
Display :	Touchscreen 480 x 272 TFT 4.3"
Loop number :	1 loop expandable to 9 loop
Analogue lines connection:	Open or closed loop
Detction lines lenght :	Up to 5000 m
Remote keyboards distance :	Up to 800 m
Cable knockouts:	4 x 25 mm
Alarm sounder:	Silencing and/or excludable buzzer
Sounder output or tel. combiner:	24 V cc 1 A
Solid form output with clean contact:	100 V peak – 100mA
General output with open collector:	Max. 100 mA
Peripheral device input/output:	RS 485
Input/output for programming and remote management:	RS 232/micro USB
Protection level:	IP 30
Environmental conditions:	From +0° to +50°C (operating temperature) From -40° a +70°C (storage temperature)
Communication protocol:	CEI ABI (with PTLAN card) MODBUS (with MCGTWMDB protocol)
Area partitioning:	Up to 192
Programmable logical functions:	Up to 192
Events archive:	Up to 1000
Programming:	Locally from the keyboard. From remote, with dedicated software (FG901CFG)
Access safety:	Multilevel password
Supported languages:	111 with special characters and symbols
Power supply:	230 V ca – 50 Hz
Absorption from the network:	Max. 300 mA
Buffer batteries:	2 x 12 V cc 17 Ah
Auxiliary supply output:	Max. 24 V cc 500 mA
Current available for the loop:	Max. 500 mA
Electrical protection:	Circuit short protection Fuse f4 Ah
Battery protection:	Efficiency control and disconnection in case of over-discharge
Dimension:	410 x 410 x 120 mm
Weight:	6.1 kg (base unit without buffer battery)
External structure material:	Iron with epoxy paint
Control panel colours:	Red, White or black
Frontal LEDs:	14
Display background colour:	Black, blue, green
LED frame colour:	White, blue, green



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