

DESCRIPTION

The FGCP Series is a microprocessor-controlled conventional fire detection control panel available in 2, 4, 8, 12, and 16 zone configurations, certified to EN 54-2 and EN 54-4. When an alarm condition is detected, the panel provides both audible and visual warnings while displaying the system status on its LCD monitor. Up to 20 detectors and an unlimited number of manual call points can be connected per zone. Unauthorised access is prevented via password or key switch.

KEY FEATURES

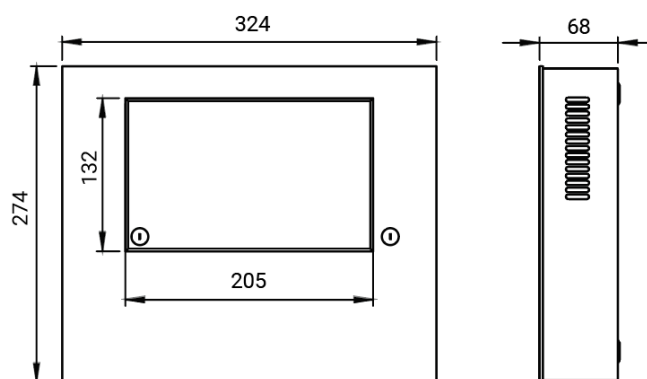
- 2 / 4 / 8 / 12 / 16 zones
- 2×16 Alphanumerical LCD display
- 7 LED indicators: Alarm, Mains, Battery, Fault, Sounder Fault, System Fault, Disabled
- Audible and visual warning
- Up to 20 detectors per zone
- Unlimited manual call points per zone
- Two relay outputs / Two sounder outputs
- Sounder delay option to prevent false/fault alarms
- Start/Stop Sounder, Reset, Silence Buzzer buttons
- Disable function for zone and sounder
- Control via password or key
- Microprocessor controlled
- EN 54-2 and EN 54-4 certified

ORDERING INFORMATION

MODEL	DESCRIPTION
FGCP02	2-zone Conventional Fire Panel — Metal Housing
FGCP04	4-zone Conventional Fire Panel — Metal Housing
FGCP08	8-zone Conventional Fire Panel — Metal Housing
FGCP12	12-zone Conventional Fire Panel — Metal Housing
FGCP16	16-zone Conventional Fire Panel — Metal Housing



Applus⁺



Appearance and Dimension unit: mm

DIMENSION & WEIGHT

MODEL	DIMENSION	WEIGHT
Plastic (FGCP/XXP)	303 × 307 × 115 mm	990 g
Metal (FGCP/XXM)	274 × 324 × 68 mm	2,400 g

TECHNICAL SPECIFICATIONS

GENERAL	
Parameter	Value
Standard	EN 54-2 / EN 54-4
Number of Zones	2/4/8/12/16
Operating Temperature	-10°C to +50°C
Storage Temperature	-20°C to +70°C
Type Class Conditions	3k5 of IEC 60721-3-3
IP Rating	IP30
Body	Plastic (P) / Metal (M)
Colour	Gray / Red / Black
ELECTRICAL/POWER	
AC Input	220V±10%/-15%
Power Consumption	< 53W
Mains Cable	3 x 1.5 mm ² 1 km
Mains Fuse	0.5 A time lag
24V Output	28.5 V DC max 21 V DC min / 100 mA max 27.4 V DC nominal @250C
ZONE SPECIFICATION	
Zone Circuit Output Voltage	Max 25.17 V / Nominal 24.65 V / Min 18.96 V
Zone Circuit Cable	12 to 26 AWG (3.31 to 0.13 mm ²) Twisted-pair (max 40 Ω / 500 nF) / 1 km
End-of-Line Resistance (Zone)	4.7 kΩ
Zone Fuse	Resettable
Resistance per Zone Circuit	50 Ω max
Number of Potential-Free Outputs	1 × 2A at 30V DC max
DETECTOR ALARM REFERENCE RANGE	
Zone Voltage	7.7 V to 17.2 V
Zone Impedance	160 Ω to 735 Ω
MANUAL CALL POINT REFERENCE RANGE	
Zone Voltage	2.9 V to 7.5 V
Zone Impedance	50 Ω to 155 Ω

OPEN CIRCUIT REFERENCE RANGE			
Zone Impedance		> 14.7 kΩ	
SHORT CIRCUIT REFERENCE RANGE			
Zone Voltage		< 2.66 V	
Zone Impedance		< 45 Ω	
BATTERY			
Battery		2 x12VDC7Ah	
Battery Low Voltage		22 VDC±0.5V	
Battery Charge Current		0.4 A max	
Battery Charge Voltage		27.2 V ± 2% @ −36mV/°C	
No Operation Voltage Level		< 21 V	
Battery High Impedance		>2.5 ohm	
Battery Fuse		Resettable	
Built-in Accumulator Space		Available	
ALARM RELAY			
Commutation Current		2A at 30V DC max	
Current Consumption (Mains / Alarm / Standby)			
Zones	I standby (a)	I standby (b)	min
2 zone	208 mA	612 mA	80 mA
4 zone	212 mA	594 mA	80 mA
8 zone	232 mA	624 mA	80 mA
12 zone	253 mA	644 mA	80 mA
16 zone	280 mA	684 mA	80 mA
POWER SUPPLY/SWITCHING			
Switching Frequency		132 kHz	
Ripple		< 200 mV	
ACCESS CONTROL			
Default code		User: 22 / Superuser: 99	
Optional		Key Switch	