



# INTEGRAL TECHNOLOGIES

## FA-ACP-EX Series Analogue Addressable Fire Alarm Control Panel

The **FA-ACP-EX** range of analogue addressable control panels features single loop expandable to two loops models, and it provides a cost effective solution for small to medium sized installations.

Designed and manufactured to comply with the requirements of EN54 standards, it supports 125 devices per loop.

Using advanced communications up to 32 individually addressed Loop sounders can be connected in each loop. An LCD display of 4 rows gives clear textual information of FIRE/FAULT conditions to end user.

There are also 16 zones Fire LED indicators.

Repeaters can be connected via RS422/RS485, Fiber Optic or TCP/IP interfaces.

### Features:

- Single loop expandable to two loops, 125 devices per loop.
- Universal Automatic power input 90-260 VOLTS 50/60 Hz.
- Detector loops monitored for integrity.
- 2 supervised/ monitored conventional sounder circuits
- 384 fully programmable zones
- 512 fully programmable sounder groups
- 512 fully programmable INPUT/OUTPUT groups.
- Event log (rolling 2000 entries).
- Backlit LCD display with 4 rows of 40 characters
- Programming by Software.
- 2 Relay outputs fire and fault
- Power supply 1,7A at 28 Vdc
- Fully EN54 part 2 and 4 compliant
- ABS Fire retardant enclosure
- Repeater output via RS422/485, Fiber Optic or TCP/IP interfaces.
- Up to 32 individually addressed Loop sounders can be connected.





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## FA-ACP-EX Series

### Analogue Addressable Fire Alarm Control Panel

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## Technical Specifications

Mains supply voltage	85-264v 50/60Hz
Internal power supply	Min.20V DC-Max.30V DC (28.5V DC nominal) Max. Ripple 1V peak-peak
Total output current	1,7A @230 Vac
Supply and battery charger monitored	YES
Batteries monitored	YES
Max battery size	2 x 12V 7AH SLA
Mains Fuse	4 A – 250 V Slow Blow – 20mm
Battery Fuse	1.6 Amp resettable – Electronic Fuse
Max Current Draw from Battery (Mains Fails)	1.5 Amp Max.@ Max. Operating Temperature

### Detection Circuit Specification

Number of loops	One expandable to two
Max number of devices	125 per loop
Max cable capacitance	120 pF/m
Max. loop cable length	1.2 Km
Recommended cable	0.5 – 2.5 sq. mm
Cable type	Shielded
Cable category	FPLR
Max number of addressable sounders	32 per loop
Addressable sounder type	Low current

### Sounder Circuit Specification

Number of circuits	2
End of Line Resistor value	10 K Ohms
Monitoring	Open and short circuit
Alarm Voltage	27.5 V DC
Sounder circuit Fuse	1.1 Amp resettable (Electronic Fuse)
Max. Current available	1 Amp @ 27,5 V DC Nominal

### Auxiliary Outputs

Aux power output	27.5 V DC Nominal – Max. Current Drawn 300mA
Fire relay	Active in Fire condition, load 30V DC/1A resistive
Fault relay	Normally closed, fail safe open on any fault, load 30V DC/1A resistive

### Quiescent power

Internal circuits	100 mA
Battery charger	1 A
Analogue loop	275 mA

### Dimensions

Size	274 (W) x 404 (L) x 109 (H) mm
Weight without batteries	1,6 Kgs

### Operating Conditions

Operating Temperature	0 to +40 C
Max Relative Humidity	85% non condensing