AP204 ADDRESSABLE FIRE DETECTION AND CONTROL PANEL

AP204 Fire Detection and Control Panel is designed to process measurement data from detectors and input units and to control outputs of it or output units connected in the loop according to the scenario created. Thanks to the LCD screen on the panel, it is possible to see the alarms or faults. In addition, all system-related controls can be accessed from the menu with the buttons on it.

AP204 Addressable fire detection and control panel can operate 250 devices in one loop. It can be increased up to 4 loops and a total of 1000 devices can be connected. There are supervised siren outputs, 3 open collector outputs, alarm and fault relay outputs and 2 24 V supply outputs (for detailed information about the supply outputs, see the installation manual) on the motherboard. In this way, devices that require external power supply can be supply from there by considering the current values.

GENERAL FEATURES

- Durable and Aesthetic Metal Case
- Microprocessor based design
- Production with SMT technology
- 250 Programmable Zones
- Communication with Smart Interactive RAAP Protocol
- Supervised Siren Output
- Alarm and Fault Relay Outputs
- Protected and Unprotected 24V Output
- Open Collector Output
- Continuous supervision of all detectors and modules
- It has EN54-2 and EN54-4 certificates

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REDBAN ELEKTRONİK LTD. ŞTİ.
Model: AP204
Standard Number: EN54-2 & EN54-4
Performance Declaration No: 01
Made In Turkey

REDBAN

TECHNICIAL SPECIFICATIONS

OPERATING VOLTAGE	180-240v AC
POWER CONSUMPTION	100 watt
BATTERY TYPE	Sealed Lead Acid Battery
BATTERY CAPACITY	2 X12v 7A / Saat
NUMBER OF LOOP	1-4
NUMBER OF DEVICES IN THE LOOP	250
MAXIMUM NUMBER OF DEVICES	1000
ETHERNET CONNECTION	NO
NETWORK OPERATION	NO
BATTERY SHORT-CIRCUIT PROTECTION	YES

SIREN OUTPUTS

OUTPUT TYPE	Relay Normally Open
CONTACT STRENGTH	2A @ 30V DC
FUSE	400 mA, Auto Reset
OUTPUT VOLTAGE	At the most 28 V DC
END OF LINE RESISTANCE	6.8 K Ω 1/4 watt

GENERAL PURPOSE OUTPUTS 1, 2, 3
(SOUND ALARM AND INDICATOR LED OUTPUTS)

OUTPUT TYPE	Open Collector
OUTPUT CURRENT	400mA
OUTPUT VOLTAGE	At the most 28 v DC

ALARM RELAY OUTPUT

OUTPUT TYPE	Normally Open (NO), Normally Closed (NC)
CONTACT STRENGTH	2 A @ 30 v DC Normalde

ERROR RELAY OUTPUT

OUTPUT TYPE	Normally Open (NO), Normally Closed (NC)
CONTACT STRENGTH	1 A @ 30 v DC

24V DC PROTECTED

VOLTAGE OUTPUT	yes, At the most 400mA

24V DC NOT PROTECTED

VOLTAGE OUTPUT	yes, At the most 2A
LOOP CURRENT	Max 300mA
LOOP LOAD	120 Ω
SERIAL DATA OUTPUTS	(USB & RS485)
BAUDRATE	9600 BPS
DATA BITS	8
PARITY BIT	None
STOP BIT	1
FLOW CONTROL	None
DATA DURABILITY	10 Year

MECHANICAL SPECIFICATIONS

CASE MATERIAL	Plastic Case (1.2mm Thickness)
WIDTH	35 mm
HEIGHT	37.5 mm
DEPTH	8.5 mm
WEIGHT	1.8 kg

ENVIRONMENTAL SPECIFICATIONS

OPERATING TEMPERATURE	-10 °C ≈ +55°C
OPERATİNG HUMIDITY RATİNGS	%0 ≈ %95 Relative Humidity
ENVIRONMENTAL CATEGORY	IP30