

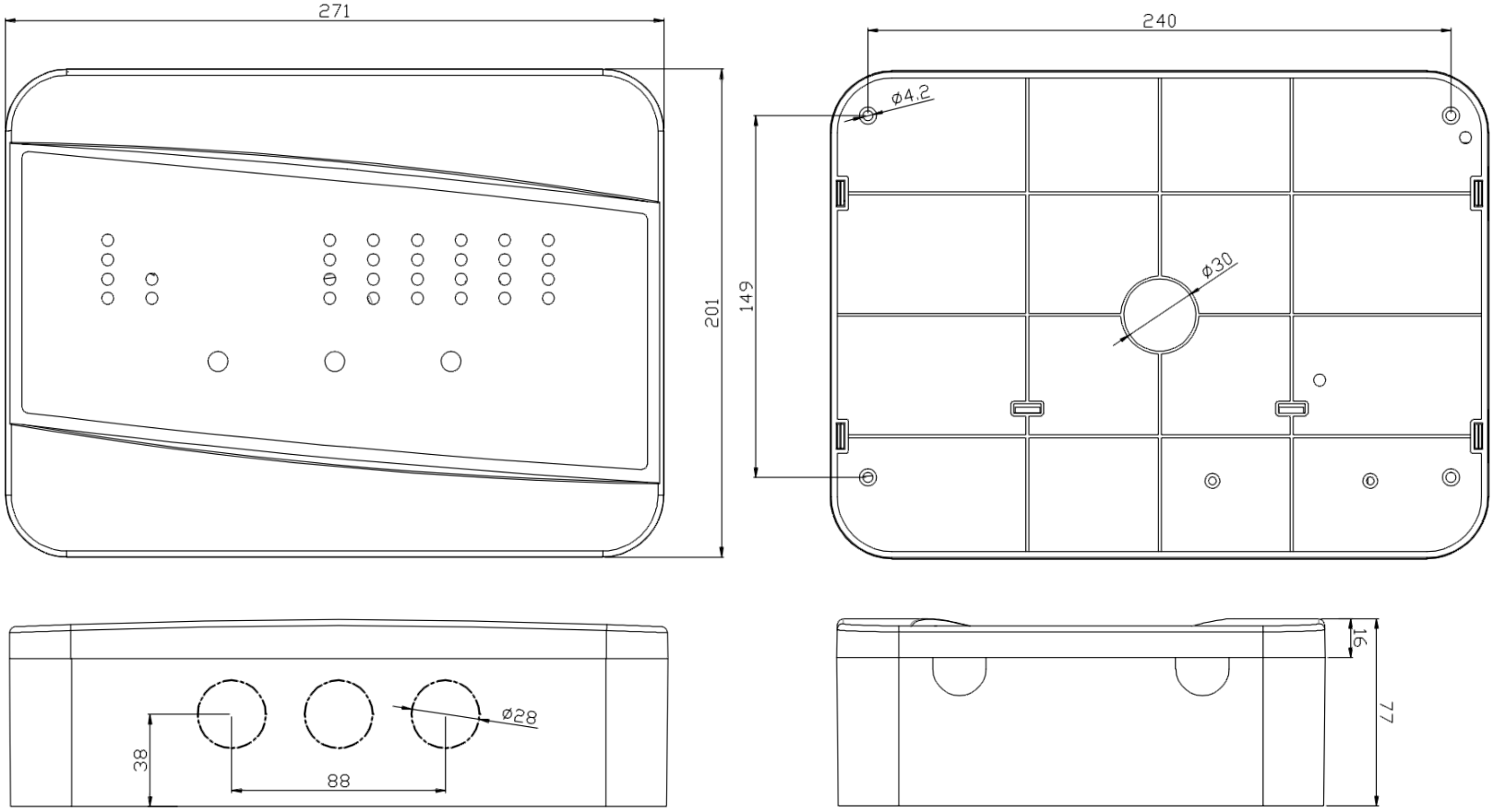
**Product Specification**

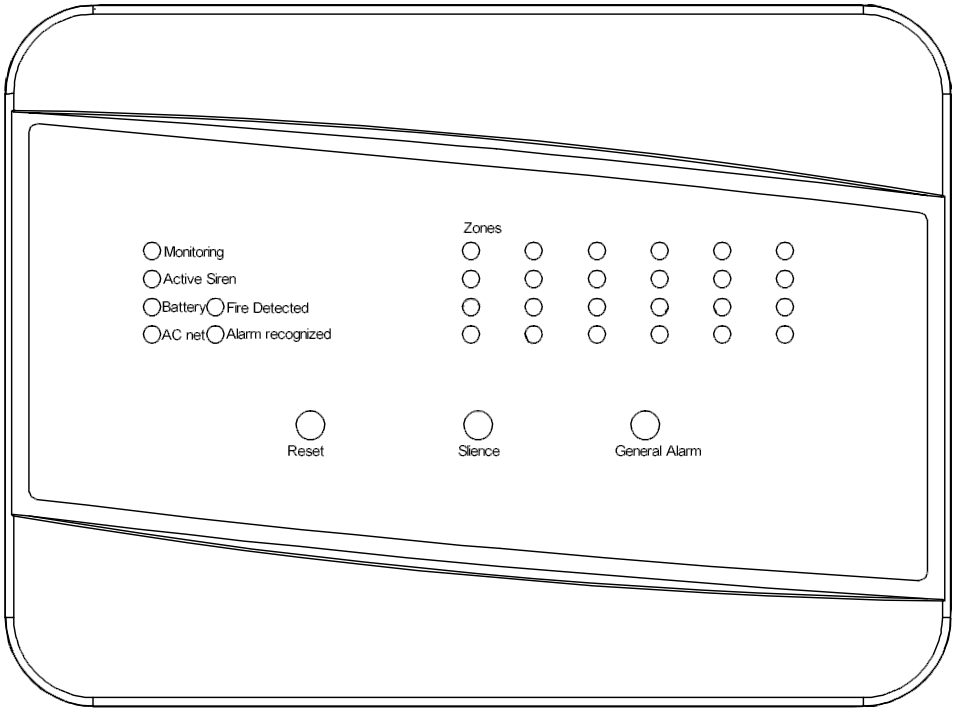
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| Product Name: | Fire Alarm Control Panel |
| Part Number: | NW8100 |
| Version: | Rev.1.0 |
| Date: | 2020.02.22 |
| Note: |  |

Revision History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Rev. | Description | Author/Date | Checked By | Approver |
| 1.0 | Released | Renyumei  2.25.2022 | Liwenhua | Shanquanyi |
|  |  |  |  |  |

1. **Part Number : NW8100**
2. **Dimension Drawing**: (Unit: mm)





1. **Introduction**

NW8100 1-24 zone control panel has been designed to meet the requirement of an easy to use fully functional fire alarm control panel. It has 1 sounder circuits.There is no configuration, simply connect the detectors & sounders and application.

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| **POWER SPECIFICATION** | | | **PARAMETER** | | |
| MAINS SUPPLY VOLTAGE | FREQUENCY | RATED CURRENT | AC 220-230V | 50 Hz / 60 Hz | 130 mA |
| INTERNAL POWER SUPPLY | | | DC 27V nominal | | |
| LINE FAULT MONITORED FOR OPEN CIRCUIT | | | YES | | |
| AUXILIARY POWER OUTPUT | | | DC 27V nominal | | |
| MAINS SUPPLY MONITORED FOR FAILURE | | | YES | | |
| BATTERY CHARGER MONITORED FOR FAILURE | | | YES | | |
| BATTERIES MONITORED FOR DISCONNECTION/FAILURE | | | YES | | |
| **DETECTOR CIRCUIT SPECIFICATION** | | |  | | |
| NUMBER OF CIRCUITS | | | 1~24 | | |
| The total number of connections does not exceed | | | 50 | | |
| CALL POINT RESISTOR (NOT SUPPLIED) | | | 470 to 680 Ω, 0.25 or 0.5 W | | |
| MAXIMUM NUMBER OF SMOKE/HEAT DETECTORS PER ZONE | | | 20 (based on a total detector current of 2mA; each detector consuming 100uA). Note: If End of Line Monitoring unit is fitted, for correct operation max. voltage drop must not exceed 12 volts. | | |
| MAXIMUM NUMBER OF MANUAL CALL POINTS PER ZONE | | | No limit | | |
| **SOUNDER CIRCUIT SPECIFICATION** | | |  | | |
| NUMBER OF CIRCUITS | | | 1 | | |
| MAXIMUM TOTAL OUTPUT CURRENT (ALL OUTPUTS) | | | 400 mA | | |
| MAXIMUM NO. OF BELLS @ 25mA EACH | | | 1. These quantities are examples only. Divide 400 by the consumption of   20 each sounder/bell in mA to calculate the maximum number. | | |
| MAXIMUM NO. OF ELECTRONIC SOUNDERS @ 20mA EACH | | |
| **FUSE - ALL FUSES COMPLIANT TO IEC (EN 60127 PT2)** | | |  | | |
| AC FUSE ( FUSIVEL AC) | | | 500 mA 20 mm **Important:** Exceeding the fuse ratings may render the equipment  unsafe and damage the output of this equipment. This damage is  1A 20 mm factory detectable and is not covered under warranty. | | |
| BATTERY FUSE (FUSIVEL BATERIA) | | |
| **AUXILIAR AND RELAY** | | |  | | |
| AUXILIAR | | | Internal output 27V | | |
| RELAY | | | NF C NA NF and C Normally closed output，NA and C Normally open output | | |
| **CONNECTION BLOCK** | | |  | | |
| LARGEST ACCEPTABLE CONDUCTOR SIZE | | | 2.5 ㎟ | | |
| SMALLEST ACCEPTABLE CONDUCTOR SIZE | | | 0.75 ㎟ | | |
| **PHYSICAL** | | |  | | |
| ENCLOSURE (WIDTH \* HEIGHT \* DEPTH) | | | 300\*200\*90 ㎜ | | |
| BATTERY VOLUME DIMENSIONS (WIDTH \* HEIGHT \* DEPTH) | | | 170\*70\*65 ㎜(will accept typically 1.2 or 2.0 Ah sealed lead acid batteries) | | |
| WEIGHT (WITHOUT BATTERIES) | | | 2.3 Kg | | |
| IP RATING (to EN 60529) | | | IP30 (when correctly installed) | | |
| **ENVIRONMENTAL** | | |  | | |
| OPERATING TEMPERATURE | | | -10℃ to +40℃ | | |
| HUMIDITY | | | 5% to 95% RH (non-condensing) | | |
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1. **Electrical Specification**

**5. Packing Information：**

One inner box consists of 1pcs.

5 inner boxes are packed in a carton box. (L\*W\*H= 30 \* 20 \* 9cm)