

**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

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| --- | --- | --- | --- | --- |
| Rev. | Description | Author/Date | Checked By | Approver |
| 1.0 | Released | Renyumei2.25.2022 | Liwenhua | Shanquanyi |
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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 is1A 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)