

**Product Specification**

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| Product Name: | Fire Alarm Control Panel |
| Part Number: | NW8200  |
| Version: | Rev.1.0 |
| Date: | 2022.02.25 |
| Note: |  |

Revision History

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| --- | --- | --- | --- | --- |
| Rev. | Description | Author/Date | Checked By | Approver |
| 1.0 | Released | RenyumeiMar.15.2018 | Liwenhua | Shanquanyi |
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1. **Part Number : NW8200**
2. **Dimension Drawing**: (Unit: mm)





1. **Introduction**

NW8200 1-4 zone control panel has been designed to meet the requirement of an easy to use fully functional fire alarm control panel. It has 2 sounder circuits. There is no configuration, simply connect

the detectors & sounders and application.

1. **Electrical Specifications**

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| **ITERMS** | **PARAMETER** |
| MAINS VOLTAGE | 220AC +/- 10%, 50Hz |
| BATTERY VOLTAGE | 2x12V/1.3Ah  |
| SYSTEM VOLTAGE | 29V DC NOMINAL |
| SYSTEM VOLTAGE RIPPLE | 200mV MAX |
| CHARGER SIZE | UP TO 4AH in 24 Hours |
| ZONE VOLTAGE | 22.5V DC NOMINAL  |
| SOUNDER ALARM OUTPUTS | 2x250mA @ 24VDC (Nominal)  |
| FAULT OUTPUT | 1xRELAY SELV (1AMAX) |
| FIRE OUTPUT | 1xRELAY SELV (1AMAX)  |
| NUMBER OF ZONES | 1-4 Optional |
| MAXIMUM ZONE CAPACITY | 25 DEVICES PER ZONE |
| ZONE END OF LINE DEVICE | 4.7K RESISTOR |
| SOUNDER END OF LINE DEVICE | 4.7K RESISTOR |
| ZONE SHORT CIRCUIT PROTECTION | 100mA |
| OVER DISCHARGE PROTECTION | 19V DC |

1. **State LEDs**

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| **STATE** | **LED CONDITION** |
| Mains Healthy | Power supply indicating LED (green), it lights when the power supply |
| Charge Fault | General Disable indication LED (yellow). It will light when any Disable occurs |
| Bat. Fault | Battery fault indication LED (yellow). It will light when battery fault occurs |
| Common Fire | General fire alarm indicating LED (red). Constantly light until the fire alarm is cleared |
| SOUNDER O/C | Fault indication LED (yellow). It will light when there is an open circuit fault of that sounder circuit. |
| SOUNDER S/C | Fault indication LED (yellow). It will light when there is a short circuit fault of that sounder circuit. |
| Zone Fire | Red LED, there are 4 zone fire indicate LED. The zone fire LED will flash when the fire alarm occurs in corresponding Zone. It will light after the Silence.  |
| O/C Fault | Fault indicator (yellow). It will light when there is an open circuit fault in the field wiring of that zone |
| S/C Fault | Fault indicator (yellow). It will light when there is a short circuit fault in the field wiring of that zone |
| Silence | Silencing indicating LED (yellow). It lights when the internal buzzer or sounder is muted. |

1. **Operation Key**

There are 3 operation buttons on the keypad. Before operation, turn the control key to the ON position.

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| **STATE** | **LED CONDITION** |
| **Reset** | The button is used to confirm reset operation and test LEDs. |
| **Silence** | The button is used to silence all alarms |
| **Evacuate** | The button is used to activate the alarm in the event of an emergency and re-sound an alarm after the alarm has been silenced. |

**7. Packing Information**

One inner box consists of 1pcs.

5 inner boxes are packed in a carton box. (L\*W\*H= 70 \* 27.5 \* 36cm)