

**Product Specification**

ZK TECK PK

Shop # 1,Higher Ground Floor,Sarwar Center2,Behind 30-Mall Road Lahore,Pakistan

<http://www.zkteco.net.pk/www.applecam.com.pk>

|  |  |
| --- | --- |
| Product Name: | Fire Alarm Control Panel |
| Part Number: | NW8000  |
| Version: | Rev.1.0 |
| Date: | 2020.03.25 |
| Note: |  |

Revision History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Rev. | Description | Author/Date | Checked By | Approver |
| 1.0 | Released | RenyumeiMar.25.2020 | Liwenhua | Shanquanyi |
|  |  |  |  |  |

1. **Part Number : NW8000**
2. **Dimension Drawing**: (Unit: mm)





1. **Introduction**

NW8000 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 Specification**

|  |  |
| --- | --- |
| **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  |
| TOTAL OUTPUT CURRENT LIMITED TO | 400 mA |
| 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 | 1~4 |
| LINE FAULT MONITORED FOR OPEN CIRCUIT | YES  |
| LINE FAULT MONITORED FOR SHORT CIRCUIT | YES (can be disabled) |
| LINE FAULT MONITORED FOR DETECTOR REMOVAL | Yes, if End of Line Monitoring Unit fitted in place of End of Line Resistor |
| END OF LINE RESISTOR (SUPPLIED) | 6.8K Ω, 5% tolerance, 0.25W (color code - blue,grey,red,gold) |
| DETECTOR CONTINUITY DIODES | Silicon 1N4001 or Schottky type (required if End of Line Monitoring Unit fitted) |
| 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 | 2 |
| END OF LINE RESISTOR (SUPPLIED) | 6.8K Ω, 5% tolerance, 0.25W (color code - blue,grey,red,gold) |
| LINE FAULT MONITORED FOR OPEN CIRCUIT | YES  |
| LINE FAULT MONITORED FOR SHORT CIRCUIT | YES |
| OUTPUTS FUSED AT | 400 mA |
| 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)** |  |
| MAINS TERMINAL BLOCK | 200 mA T 20 mm **Important:** Exceeding the fuse ratings may render the equipment400 mA F 20 mm unsafe and damage the output of this equipment. This damage is1.0 A F 20 mm factory detectable and is not covered under warranty. |
| SOUNDER OUTPUTS (F1,F2) |
| BATTERY FUSE (F3) |
| **AUXILIARY FIRE AND FAULT OUTPUTS** |  |
| OUTPUT TYPE | Intended to drive external 24 V relays. |
| MAX. SOURCE CURRENT | 30 mA (relay resistance must be greater than 800Ωand relay must have”back EMF” diode fitted). |
| DOOR RETAINING MAGNETS | Use a RLP-24 relay driven from the Latching Fire Output. DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND-BY TIME. |
| **CONNECTION BLOCK** |  |
| LARGEST ACCEPTABLE CONDUCTOR SIZE | 2.5 ㎟ |
| SMALLEST ACCEPTABLE CONDUCTOR SIZE | 0.75 ㎟ |
| **PHYSICAL** |  |
| ENCLOSURE (WIDTH \* HEIGHT \* DEPTH) | 271\*200\*70 ㎜ |
| 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) |

**5. Packing Information：**

One inner box consists of 1pcs.

5 inner boxes are packed in a carton box. (L\*W\*H= 67 \* 24 \* 36cm)