

MICRO CONTROLLED BASE FIRE ALARM CONTROL PANEL

- Modular construction with rugged CRCA sheet with powder coated finish.
- Operates on 220V, A.C supply.
- Battery backup using single 12V 7AH battery with built in charging (battery not included).
- Error free Fire / Fault (open, short and earth fault)status in unambiguous colored LED indication.
- Fault status with visual and audible tone for:
 - Low battery
 - Battery fail (low battery LED blinking)
 - Hooter fail
 - Zone fault (open or short)
- Fire indications with visual, audible and external hooter, for all the zone fires .
- Twin RED LED indication for fire.
- Zone Isolation facility with loop voltage cut off.
- System on, AC on, Battery on indications.
- Relay output for actuators.
- Zone health test and lamp test facility.
- One man walktest facility with auto silence and reset.
- Compatible to all types of conventional detectors.
- 24 VDC output for External notification devices (Hooter, Bell, etc.).
- Hooter loop monitoring facility.
- Auxillary fire and fault potential free contact for intiogrations with other systems such as auto dialer, BMS, HVAC, AHU, integration with another fire alarm panel etc.



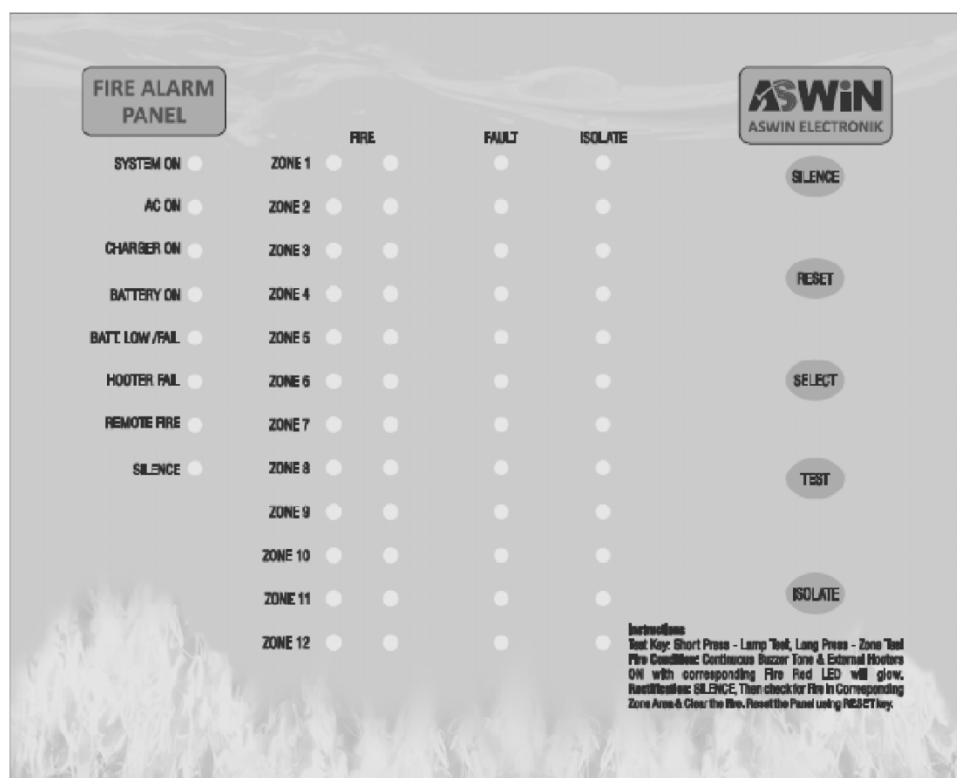
ZONE CAPACITY:

- AEP220-16: 6 to 12 ZONE

1. Product Specification

AC Power :	
220 VAC (+10%, -15%), 50 Hz,	
Wire size:	1.5 Sq. mm with 600V insulation
Battery:	
Double 12V 7AH max Lead acid battery only	
Charging Voltage:	13.9 VDC @ 200mA (Max.).
Charging Capacity:	7 Amp Hour Battery Max.
System Quiescent Current:	80mA + (2.4mA for Detectors)
Initiating Device Circuits (Zone Circuit)	
Wiring:	Class B wiring for all zones are
Normal Operating Voltage:	Nominal 24 VDC
Detector Current in fire condition	15 - 32mA threshold
Short Circuit Current:	40mA Maximum
Loop resistance:	50 ohms Maximum
End-Of-line Resistor:	4.7K, 1/4wat or higher wattage
Standby Current:	6.8mA (2.4mA for Detectors)
Notification Appliance Circuits (Sounder/Hooter Circuit)	
Operating Nominal Voltage:	24 VDC
Hooter (NACs) output:	1.5A (6 to 12 zone)
Remote outputs	
Fire Contact	(C, NO, NC); 220v AC/30v DC@ 1A
Fault Contact	(C, NO, NC); 220v AC/30v DC@ 1 A (Optional)

2. Controls and Indication



2.1 LED Indication

System On	Green
A.C Power On	Green
Charger on	Green
Battery On	Green
Charger On	Green
Battery on	Green
Battery Low / Fail	Yellow
Hooter Loop Fault	Yellow
Zone Fire	Red
Zone Fault (open and short)	Yellow
Zone Isolate	Green
Silence	Yellow
Remote Fire	Red

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