



AE110

ASWIN ELECTRONIK

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 double 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 intiogration with other systems such as auto dialer, BMS, HVAC, AHU, integration with another fire alarm panel etc.



ZONE CAPACITY:

- AE110-16: 4 to 16 ZONE
- AE110-24: 18 to 24 ZONE

1. Connector details:

ZONE 5	+	-
ZONE-6	+	-
ZONE-7	+	-
ZONE-8	+	-
ZONE-9	+	-
ZONE-10	+	-
ZONE-11	+	-
ZONE-12	+	-
ZONE-13	+	-
ZONE-14	+	-

ZONE 15	+	-
ZONE-16	+	-
ZONE-17	+	-
ZONE-18	+	-
ZONE-19	+	-
ZONE-20	+	-
ZONE-21	+	-
ZONE-22	+	-
ZONE-23	+	-
ZONE-24	+	-

RS-485		24 V
		A
		D
		0 V
ZONE-1	+	-
ZONE-2	+	-
ZONE-3	+	-
ZONE-4	+	-

FAULT	COM
	N/C
	N/O
FIRE	COM
	N/C
	N/O
HOOTER	COM
	N/C
POWER	ON
	OFF

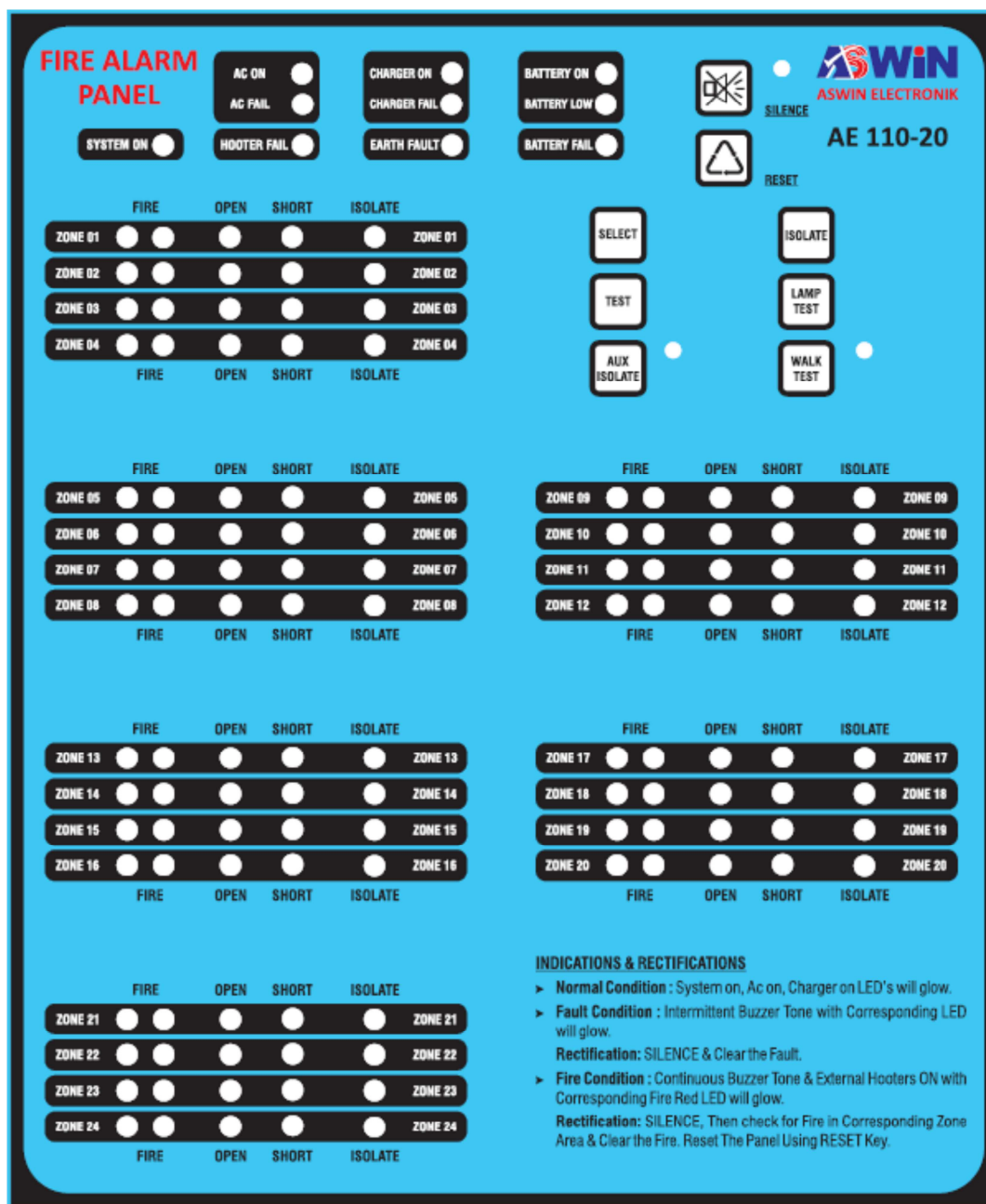
BATT.	+
I	+

TRANS.	24
	0
	24

2. 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:	27.2 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 (8 to 12 zone), 1A(4 to 6zone), 0.5A (2 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)

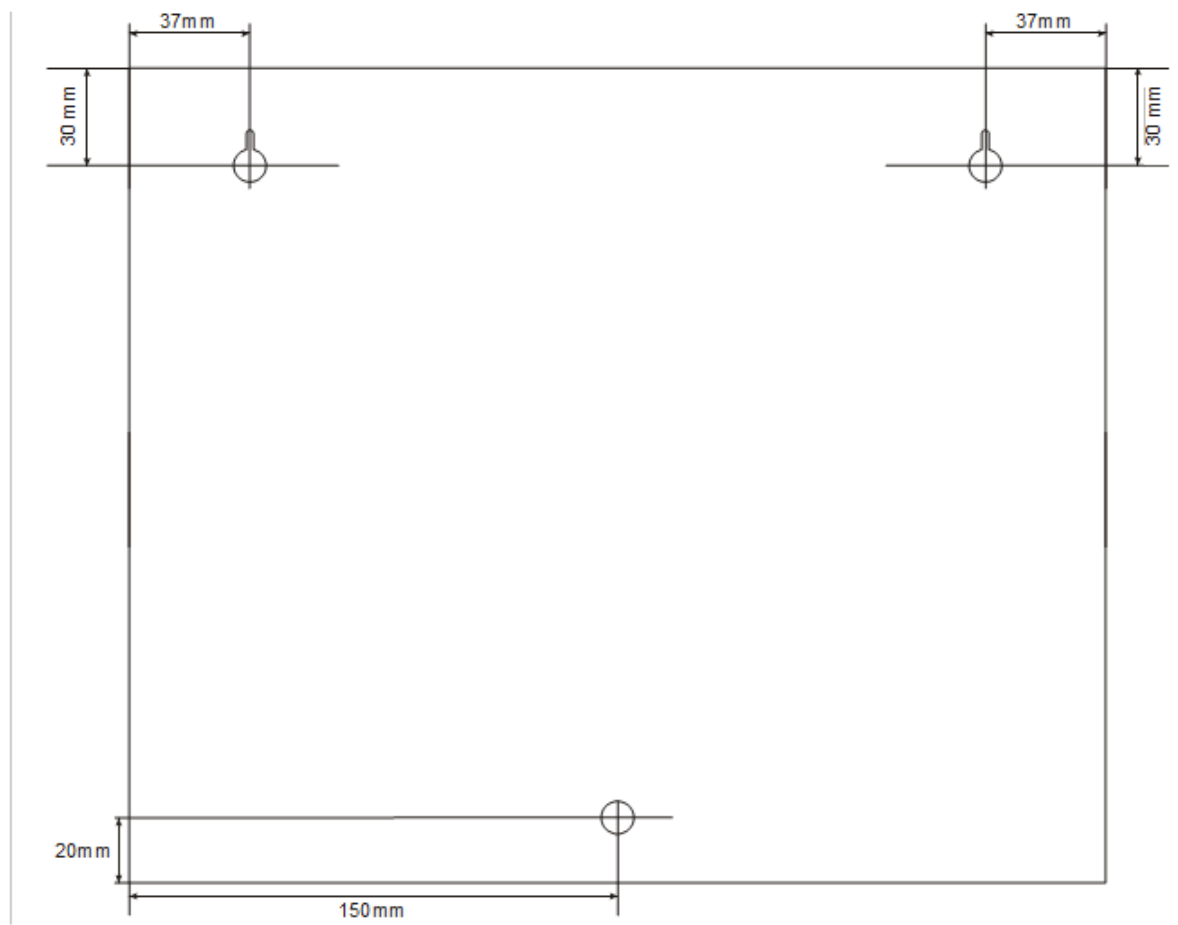
3. Controls and Indication



3.1 LED Indication

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

4. Mounting Details



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