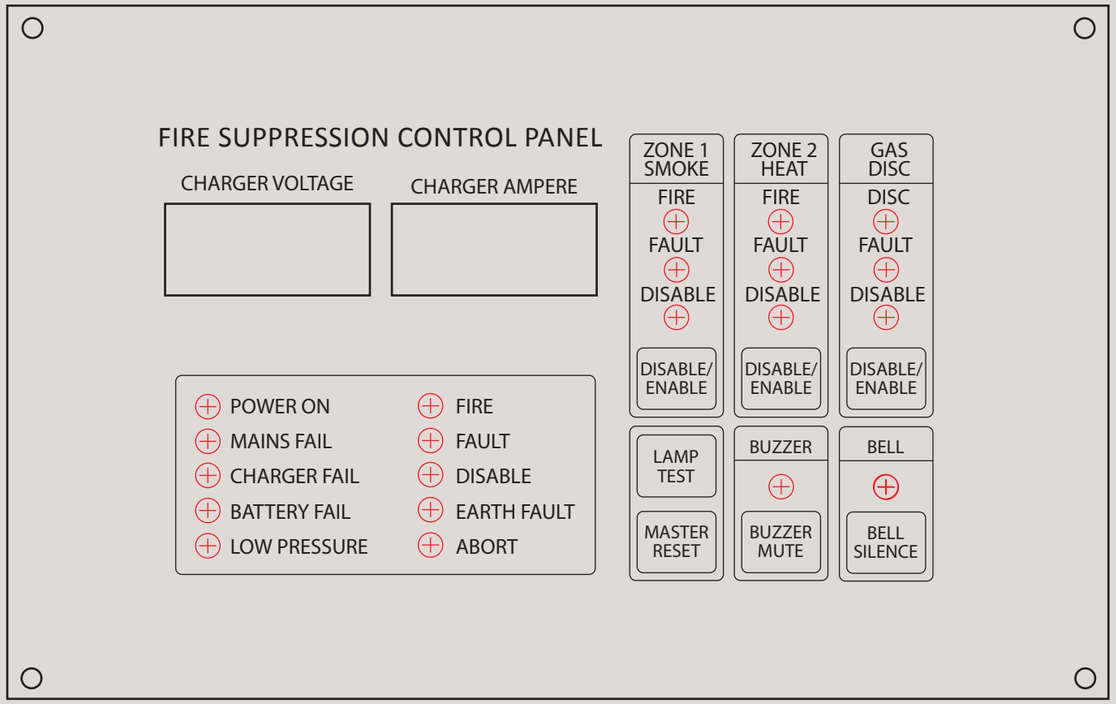
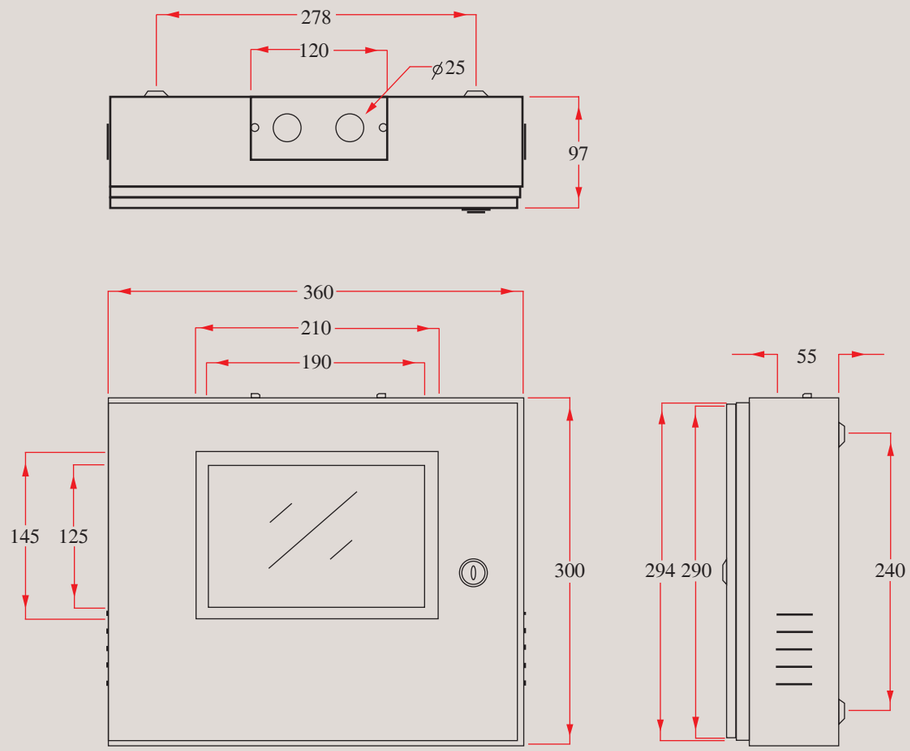
FSP-02 FIRE SUPPRESSION CONTROL PANEL FACIAL DISPLAY





For more information, please contact:

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METROSIS

FSP-02 (W)

Fire Suppression Control Panel

The FSP Fire Suppression Control Panel is designed & fabricated to comply the Malaysian Standard MS1745 – Part 2 : 2004 (equivalent to European Standard EN54-2 : 1997). This is a multi-zone micro-processor controlled automatic fire detection system. It is housed in a signal red mild steel panel. The panel housing can be fabricated based on different IP Standard to suit special requirement.

The alarm indication is both audible (bell ringing) and visible (Zone Fire red LED indicators steady). Fault, Disablement and other indications are also both audible (buzzer beeps) and visible (LED indicators ON).

Features:-

i. System using Micro-controller for processing.

ii. Control circuit with double lock system, ie., the Gas Discharge output activated only upon both zones in alarm condition.

iii. Time delayed output to release / discharge the gas only after the pre-set delay period of 30 seconds.

iv. Gas Release Keyswitch contact input to immediately release the gas without delay.

v. Abort Switch contact input to stop the gas release process (prior to the gas discharge started) by press & hold the switch (optional). The gas release process will be re-activated after the switch has been released (after delay countdown of 30 seconds).

vi. Buzzer and bell re-sound (after mute / silence) upon any new fault or alarm event happen.

Approval and Certification:-	
SIRIM ***CERTIFIED***	***APPROVED***

SPECIFICATIONS:	
AC Input Voltage	240Vac ± 10%, 50Hz
DC Output Voltage	22 – 26 Vdc
Standby Battery	24Vdc Rechargeable SLA Type
Charger Output Voltage	27 - 28Vdc
Max Charging Current	0.6A
Alarm Zone EOL Resistor	4.7K ohm,1/4W, 5%, carbon film type
Bell / Tripping EOL Resistor	4.7K ohm ,1/4W, 5%, carbon film type
Bell / Tripping / Output	22 – 26 Vdc
System Standby Current	80mA
Input / Output contacts	Normally open voltage free contact
Chassis Colour / Materia	Mild Steel Metal Casing coated with Red Epoxy

SPECTIAL FUNCTION:	
Abort Switch *(Optional)*	Pressed & hold to stop gas release process, the release process will be re-activated after 30sec delay countdown after the release of this switch.

EASY MAINTENANCE AND TROUBLE SHOOTING
- **ERROR MESSAGE CODE (7 SEGMENT DISPLAY)**

Description	Trouble / Fault	Error CODE
ZONE 1 – Wiring Circuit	OPEN Circuit	1 - O
ZONE 2 – Wiring Circuit	OPEN Circuit	2 – O
GAS DISCHARGE Circuit	OPEN Circuit	G – O
GAS DISCHARGE Circuit	SHORT Circuit	G – S
Bell Line	OPEN Circuit	B – O
Bell Line	SHORT Circuit	B – S
Alarm 1 Output - OPEN Circuit	OPEN Circuit	A1 – O
Alarm 2 Output – OPEN Circuit	OPEN Circuit	A2 – O
Fuse Blown	AC Supply Fail	FuS

SYSTEM ACCESSORIES:-

	PHOTOELECTRIC SMOKE DETECTOR Model: 882 Finish: White Dim.: 50(H) x Ø100 mm
	HEAT DETECTOR Model: KP-303 Type: Fixed Temperature or ROR Finish: White Dim.: 43(H) x Ø100 mm
	TWIN FLASHING LIGHT Model: KP-305 Type: LED Finish: BLACK Dim.: 175(W) x 88(H) x 88(D) mm
	MANUAL KEY SWITCH Model: KP-307 Finish: RED Dim.: 100(W) x 100(H) x 88(D) mm
	EVACUATION SIGN: Model: KP-309 Finish: BLACK Dim.: 250(W) x 100(H) x 88(D) mm
	ALARM BELL:- Model: KP-301 Finish: RED Dim.: Ø 150mm