

GAS EXTINGUISHING CONTROL PANEL ECP1000



Features

- EN12094-1,EN54-2&EN54-4 certified.
- Single area extinguishing panel with 324 fire alarm control points and 2 conventional fire detection loops(Supports 32 conventional detectors per loop).
- Panel features a 4.3-inch color liquid crystal display (LCD) with a display resolution of 480 x 272.
- 10000 records each of historical fire alarm,historical fault and historical operation.



Description

EPC1000 is an integrated fire alarm and gas extinguishing control panel designed in accordance with EN 54-2, EN54-4 and EN 12094-1 standards. It includes fire detection function, and at the same time, after detecting a fire, it can automatically or manually start the gas release to extinguish the fire in the environment.

Power supply	
Mains supply	110V/230V AC (-15%, +10%),10A,50Hz/60Hz
Mains fuse	3A 250V
Operating voltage	21~30V DC
Recommended mains cable	Standard/black mains cable, cable size 0.75mm ²
Power rating	I _{min} =0.1A;I _{max.a} =3.2A;I _{max.b} =3.8A
Max. battery supply current	8A(when the Mains is disconnected)
Max. charging current	1A
Battery capacity, type and recommended model	NP7-12 for 7Ah VRLA(Yuasa)
Max. internal resistance of battery	1Ω
Battery fuse	8A
Quiescent current (full loaded)	<0.4A

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Outputs		
S.C.Out (+, -)	Output voltage	20~30VDC
	Max. output current	500mA
	End of line resistor	10K Ohms, 1Watt
	Transmission distance	≤1500m
2ND SOUNDER (+,-)	Output voltage	20~30VDC
	Max. output current	500mA
	End of line resistor	10K Ohms, 1Watt
	Transmission distance	≤1500m
F.A.OUT1&2 (+,-)	Output voltage	20~30VDC
	Max. output current	500mA
	End of line resistor	10K Ohms, 1Watt
	Transmission distance	≤1500m
FAULT OUT1&2 (COM, NO)	Contact capacity	2A@30V DC, 0.5A@125V AC
1ST & 2ND STAGE (NO, COM, NC)	Contact capacity	1A@30VDC, 0.5A@125VAC
24VK (+,-)	Output voltage	20 ~ 30VDC
	Max. output current	Two ports total 3A
EXTING. (+,-)	Output voltage	20 ~ 30VDC
	Max. output current	3A
	End of line resistor	10K Ohms, 1Watt
Detection Zone		
ZONE 1&2	Output voltage	20 ~ 30VDC
	Max. output current	50mA
	Number of detectors per zone	Dependent on type and current consumption (maximum 32)
	Trigger resistor (Switching output type detector or call point)	470 to 1K Ohms (Nominal 1K Ohms)
	End of line resistor	4.7K Ohms, 1Watt
	Max. Loop length	≤1500m
Network communication		
RS-485	Transmission rate	9600 bps
	Transmission distance	≤1200m
CAN	Max. number of panels	20
	Transmission rate	Optional: 10K, 20K, 50K and 100K bps
	Transmission distance	≤1000m