

# FIRE ALARM CONTROL PANEL SEC1000



## Features

- Up to 120 addresses on one loop;
- The loop supports class A and Class B types;
- An easy to read, 4.3'' color screen LCD with a resolution of 480×272;
- Zone indicators for 16 zones gives a quick indication of the location of an alarm;
- Record capacity of 1000 historical events for each of historical fire, historical fault and historical operation;
- An independently programmable conventional sounder circuit output;
- Zone test, point test and module start/stop testing facilitate the commissioning;
- Hierarchy management with three access levels;
- CAN bus for interconnection of up to 20 FACPs;



## Description

The purpose of the SEC1000 FACP is to monitor input signals, give indications and possibly activate outputs as programmed. SEC1000 is designed to comply with EN 54-2 with qualities of simple installation, operation and easy maintenance.

Power supply	
Mains supply	110V/230VAC (-15%, +10%),50Hz/60Hz
Mains fuse	T3.15AL250V
Operating voltage	20 ~ 28VDC
Recommended mains cable	Standard/black mains cable, cable size 0.75mm <sup>2</sup>
Power rating	I <sub>min</sub> =0.45A; I <sub>max.a</sub> =1.15A; I <sub>max.b</sub> =1.65A
Max. battery supply current	3A (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	

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battery	1Ω	
Battery fuse	F6AL250V	
Quiescent current (full loaded)	< 0.4A	
<b>Outputs</b>		
S.C.Out (+, -)	Output voltage	20 ~ 28VDC
	Max. output current	800mA, 1A S.C.Out+24VK in total
	End of line resistor	47K ohm 0.25W
	Recommended type of cable	Plain unscreened cable, 1.5mm <sup>2</sup>
	Cable diameter	1mm <sup>2</sup> ~ 2.5mm <sup>2</sup>
	Transmission distance	≤1500m
F.A. Out (+, -)	Output voltage	20 ~ 28VDC
	Max. output current	100mA
	End of line resistor	47K ohm 0.25W
	Recommended type of cable	Plain unscreened cable, 1.5mm <sup>2</sup>
	Cable diameter	1mm <sup>2</sup> ~ 2.5mm <sup>2</sup>
	Transmission distance	≤1500m
FAULT OUT (COM, NO)	Contact capacity	30VDC@2A, 125VAC@0.5A
	Recommended type of cable	Plain unscreened cable, 1.5mm <sup>2</sup>
	Cable diameter	1mm <sup>2</sup> ~ 2.5mm <sup>2</sup>
24VK (+, -)	Output voltage	20 ~ 28VDC
	Max. output current	500mA, 1A S.C.Out+24VK in total
	Recommended type of cable	Plain unscreened cable, 1.5mm <sup>2</sup>
	Cable diameter	1mm <sup>2</sup> ~ 2.5mm <sup>2</sup>
<b>Loop</b>		
Loop Out (+, -) Loop In (+, -)	Output voltage	18.5 ~ 28VDC, pulse
	Max. output current	500mA
	Loop type	Class A and Class B
	Recommended type of cable	Unscreened twisted-pair, 1.5mm <sup>2</sup>
	Max. Loop length	2000m(Class A)
	Cable diameter	1mm <sup>2</sup> ~ 2.5mm <sup>2</sup>
<b>Network communication</b>		
RS-485	Transmission rate	9600 bps
	Recommended type of cable	Unscreened twisted-pair, 1mm <sup>2</sup>
	Transmission distance	≤1000m
	Cable diameter	1mm <sup>2</sup> ~2.5mm <sup>2</sup>
	Max. number of panels	20

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CAN	Transmission rate	Optional: 10K, 20K, 50K and 100K bps
	Recommended type of cable	Unscreened twisted-pair, 1mm <sup>2</sup>
	Transmission distance	≤1000m
	Cable diameter	1mm <sup>2</sup> ~ 2.5mm <sup>2</sup>
<b>Physical dimensions</b>		
Approx. Dimensions of the panel (W×H×D)		400×360×104mm
Approx. weight (without battery)		3.7kg
<b>Operating conditions</b>		
Temperature range: -5°C~ 45°C; Max relative humidity: 95% (40°C ± 2°C, no condensation)		

