ADDRESSABLE FIRE ALARM CONTROL PANEL

BP-FD-ACP300-1L

FEATURES

The single loop 32 zone fire alarm control panel offers the following features:

- Up to 324 addresses on one loop
- An easy to read, 4.3'' color screen LCD with a resolution of 480×272
- Zone indication and control panel (ZCP) for 32 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
- Integral power supply and battery
- Integral printer
- Flexible and intuitive cause and effect programming on front panel
- Zone test, point test and module start/stop testing facilitate the commissioning
- U-disk interface makes the load and save of configuration or historical data convenient for system commissioning and maintenance
- Hierarchy management with three access levels
- Anti-tamper protection by a key lock
- CAN bus for interconnection of up to 20 FACPs and RS-485 for connection with up to 30 fire indicating panels per FACP

SPECIFICATION

Model: BP-FD-ACP300-1L	
Power Supply	
Mains supply	230VAC (-15%, +10%). 47 ~ 63Hz. Max current 0.8A
Mains fuse	T3.15AL250V
Operating voltage	18.5 ~ 30VDC
Recommended mains cable	Screened or standard/black mains cable, cable size 0.75mm2
Power rating	Imax.a=1.2A; Imax.b=2.6A; Imin=0.65A
Max. charging current	1.2A
Max. battery supply current	4A (when the Mains is disconnected)
Battery capacity, type and recommended model	Max. capacity 2×12V/17Ah; Min. capacity 2×12V/12Ah VRLA. PS-12170 for 17Ah (Power-sonic), PS12120 for 12Ah (Power-sonic)
Max. internal resistance of battery	1.5Ω
Battery fuse	F8AL250V
Recommended battery cable	14AWG
Quiescent current (full loaded)	< 0.4A

Outputs		
S.C. Out (+, -)	Output voltage	18.5 ~ 30VDC
	Max. output current	0.5A
	Fuse rating	F1AL250V
	End of line resistor	4K7
	Recommended type of cable	Plain unscreened cable, 1.5mm2
	Cable diameter	1mm2 ~ 2mm2
	Transmission distance	≤1500m
	Max. number of sounders @50mA	20
F.P.E. Out (+, -) F.A. Out (+, -)	Output voltage	18.5 ~ 30VDC
	Max. output current	0.5A
	Fuse rating	F1AL250V
	End of line resistor	4K7
	Recommended type of cable	Plain unscreened cable, 1.5mm2
	Cable diameter	1mm2 ~ 2mm2
	Transmission distance	≤1500m
Fault Out (NC, COM, NO)	Contact capacity	30VDC@2A, 125VAC@0.5A
	Recommended type of cable	Plain unscreened cable, 1.5mm2
	Cable diameter	1mm2 ~ 2mm2
24VK (+, -)	Output voltage	18.5 ~ 30VDC
	Max. output current	0.6A

	Fuse rating	F1AL250V
	Recommended type of cable	Plain unscreened cable, 1.5mm2
	Cable diameter	1mm2 ~ 2mm2

Input		
Class change (+, -)	Input mode	Passive
	Cable resistance	≤500Ω
	Recommended type of cable	Plain unscreened cable, 1.5mm2
	Cable diameter	1mm2 ~ 2mm2

Loop		
Loop Out (+, -) Loop In (+, -)	Output voltage	16.5 ~ 30VDC, pulse
	Output current	0 ~ 0.3A
	Loop type	Class A
	Recommended type of cable	Screened or unscreened twisted-pair, 1.5mm2
	Transmission distance	≤1000m
	Cable diameter	1mm2 ~ 2mm2

Network communication		
RS-485	Max. number of FIPs	30
	Transmission rate	9600 bps
	Recommended type of cable	Screened or unscreened twisted-pair, 1mm2
	Transmission distance	≤1000m
	Cable diameter	1mm2 ~ 5mm2
CAN	Max. number of panels	20
	Transmission rate	Optional: 10K, 20K, 50K and 100K bps
	Recommended type of cable	Screened or unscreened twisted-pair, 1mm2
	Transmission distance	≤1000m
	Cable diameter	1mm2 ~ 5mm2

Physical dimensions	
Approx. Dimensions of the panel (W×H×D)	430×560×170mm
Approx. weight (without battery)	14kg

Operating conditions
Temperature range: 0° C~ 45° C; Max relative humidity: 95% (40° C ± 2° C, no condensation)

Enjoy it.