

YA-CCP100-10

Conventional Fire Alarm **Control Panel**

1-10 Zone Detector



**FCP: Fire Alarm Control Panel

General

The Product have been designed to offer high standards of performance, reliability, design modern and quality.

O FCP YA-CCP100-10 can connect to 1-10 LED for zone detector, 1 zone alarm bell

Features

External (key-switch operated)

- Reset / Resound / Test zone lamps / Evacuate
- Silence alarm sounders
- Silence fault sounders

Internal:

- One man detector test
- Zone isolate
- Revert to short-circuit: fire (no resistors in call points)

External indicators:

- Sounder fault
- Battery / power supply fault
- Mains on
- Zone fire
- Zone fault

Internal indicators :

- Open circuit zone fault
- ♦ Short circuit zone fault
- Zone isolated
- + Engineer test selected

Outputs:

+ Two sounder circuits (alarm relay contacts can be obtained by connecting a relay to a sounder circuit)

Ancillary connections for expansion modules will allow the following:

- Repeater panels
- Multiple sounder outputs
- Connection to landlord panel

Fire Alarm Panel:

- Front Panel : steel panel red color
- Side and Back : steel panel white color

Usafe 2024-10



SHENZHEN USAFE INTELLIGENT TECHNOLOGY CO., LTD

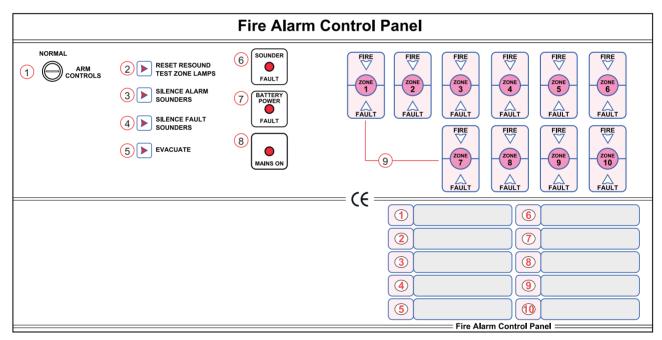
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FIRE ALARM SYSTEM

Instructions

- NORMAL CONDITION The green MAINS ON light is lit The Key switch is at NORMAL
- ALARM CONDITION the alarm sounders operate and the red FIRE lights flash EVACUATE THE BUILDING
- TO SILENCE ALARM SOUNDERS Turn the key switch to ARM CONTROLS, then press the SILENCE ALARM SOUNDERS button, the lights will go steady, and the FAULT SOUNDER will Sound, Do not Press the RESET/ RESOUND/ TEST ZONE LAMPS button until you have identified the detector causing the alarm signal. When you have indentified the cause of the alarm signal, press the RESET/ RESOUND/ TEST ZONE LAMPS button to re-arm the system. Pressing the button will RESOUND the sounders, when the alarm still exists.
- FAULT CONDITION The FAULT SOUNDER sounds and a yellow FAULT light comes on. Identity the fault light Check that
 the MAINS ON light is on and call the engineer.
- TO SILENCE The FAULT SOUNDER Turn the key switch to ARM CONTROLS and press the SILENCE FAULT SOUNDER button. Press the SILENCE FAULT SOUNDERS to evacuate.
- Turning the key switch to ARM CONTROLS and Pressing EVACUATE will always operate the alarm SOUNDERS.
- TO TEST the fault sounder and the zone lamps, turn the key switch to ARM CONTROLS and press the RESET/ RESOUND/ TEST ZONE LAMPS button.
- For further information, please check the instruction manual.

System Control and Indicator On Board



YA-CCP100-10 1-10 Zone Detector

- 1) Key Switch Control
- (2) Reset Resound Test Zone Lamps Switch
- 3 Silence Alarm Sounders Switch
- 4) Silence Fault Sounders Switch
- (5) Evacuate Switch
- 6 Sounder Fault Indicator (Yellow Color)
- 7 Battery Power Fault Indicator (Yellow Color)
- 8 Mains On Indicator (Green Color)
- 9 18 Zone Indicator

Zone Alarm (Red Color)

Zone Fault (Yellow Color)

Fire Alarm Control Panel



YA-CCP100-10 1-10 Zone Detector

Usafe 2024-11



Distributor Thailand www.firealarmonline.com



Specifications

POWER SPECIFICATION MAINS SUPPLY VOLTAGE INTERNAL POWER SUPPLY 77 VDC 3000mA at: 240 VAC 50 / 60Hz 1074 VAC 50 / 60Hz 10	MODEL	YA-CCP100-10 (1-10 Zone Detector)	
MANINS SUPPLY VOLTAGE INTERNAL POWER SUPPLY 27 VDC 3000mA at 240 VAC AUXILIARY POWER OUTPUT 27 VDC MAINS SUPPLY MONITORED FOR FAILURE BATTERY CHARGER MONITORED FOR PAILURE BATTERY CHARGER MONITORED FOR POSCONNECTION AND FAILURE DETECTOR CIRCUIT SPECIFICATION NUMBER OF CIRCUITS LINE FAULT MONITORED FOR OPEN CIRCUIT LINE FAULT MONITORED FOR SHORT CIRCUIT LINE FAULT MONITORED FOR SHORT CIRCUIT LINE FAULT MONITORED FOR DETECTOR REMOVAL END OF LINE RESISTOR (SUPPLIED) BETECTOR CONTINUITY DIODES CALL POINT RESISTOR VALUE (NOT SUPPLIED) MAXIMUM NUMBER OF SMOKE DETECTORS PER ZONE BOOM AND	BATTERY BACKUP	Stabdard 24VDC 1.2AH	
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END OF LINE RESISTOR (SUPPLIED) VALUE DETECTOR CONTINUITY DIODES (required if End of Line Monitor Unit fitted to give detector removal fault) CALL POINT RESISTOR VALUE (NOT SUPPLIED) A70 to 680 Ω, 5% TOLERANCE, 0.25W MAXIMUM NUMBER OF SMOKE DETECTORS PER ZONE DO (maximum detector current = 2mA) MAXIMUM NUMBER OF MANUAL CALL POINTS PER ZONE SOUNDER CIRCUIT SPECIFICATION No limit SOUNDER CIRCUIT SPECIFICATION NUMBER OF CIRCUITS END OF LINE RESISTOR VALUE END OF LINE RESISTOR VALUE END OF LINE RESISTOR VALUE LINE FAULT MONITORED FOR OPEN CIRCUIT YES ULINE FAULT MONITORED FOR SHORT CIRCUIT YES ULINE FAULT MONITORED FOR SHORT CIRCUIT MAXIMUM TOTAL OUTPUT CURRENT ALL OUTPUTS MAXIMUM NO OF BELLS @ 25 mA EACH BELL 120 MAXIMUM NO OF BELLS @ 25 mA EACH BELL 143 2VDC max Voltage Free FUSES - ALL FUSES COMPLIANT TO IEC (EN60127PT2) MAINS TERMINAL BLOCK SOUNDER OUTPUTS AUXILIARY OUTPUT 1A F 20mm AUXILIARY OUTPUT 1A F 20mm BATTERY FUSE DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND - BY TIME CONNECTION BLOCK LARGEST ACCEPTABLE CONDUCTOR SIZE MALLEST ACCEPTABLE CONDUCTOR SIZE DIMENSION ENCLOSURE (WIDTH X HEIGHT X DEPTH) ENCLOSURE (WIDTH X HEIGHT X DEPTH)	LINE FAULT MONITORED FOR SHORT CIRCUIT	YES (Can be disabled)	
Silicon 1N4001 or Schottky type (required if End of Line Monitor Unit fittled to give detector removal fault) CALL POINT RESISTOR VALUE (NOT SUPPLIED) A70 to 680 \(\Omega\$, 0.5W MAXIMUM NUMBER OF SMOKE DETECTORS PER ZONE ANAIMUM NUMBER OF MANUAL CALL POINTS PER ZONE SOUNDER CIRCUIT SPECIFICATION NUMBER OF CIRCUITS 2 END OF LINE RESISTOR VALUE FAULT MONITORED FOR OPEN CIRCUIT YES LINE FAULT MONITORED FOR OPEN CIRCUIT YES OUTPUTS FUSED AT MAXIMUM TOTAL OUTPUT CURRENT ALL OUTPUTS MAXIMUM NO OF BELLS @ 25 mA EACH BELL MAXIMUM NO OF BELLS @ 25 mA EACH BELL MAXIMUM NO OF BELLS @ 25 mA EACH BELL MAXIMUM NO OF BELLS @ 150 AUXILIARY RELAY CONTACTS (DO NOT CONNECT MAINS VOLTAGES) TUSES - ALL FUSES COMPLIANT TO IEC (EN60127PT2) MAINS TERMINAL BLOCK SOUNDER OUTPUTS AUXILIARY OUTPUT 1A F 20mm BATTERY FUSE DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND - BY TIME CONNECTION BLOCK LARGEST ACCEPTABLE CONDUCTOR SIZE 3.5mm² SMALLEST ACCEPTABLE CONDUCTOR SIZE 3.075mm² DIMENSION ENCLOSURE (WIDTH X HEIGHT X DEPTH) 415 X 270 X 100 mm	LINE FAULT MONITORED FOR DETECTOR REMOVAL	Yes, if End of Line Monitor Unit fitted in place of End of Line Resisto	
### Continuity Diodes (required if End of Line Monitor Unit fitted to give detector removal fault) Call Point Resistor Value (Not supplied)	END OF LINE RESISTOR (SUPPLIED) VALUE	6800 Ω , 5% TOLERANCE, 0.25W	
MAXIMUM NUMBER OF SMOKE DETECTORS PER ZONE MAXIMUM NUMBER OF MANUAL CALL POINTS PER ZONE SOUNDER CIRCUIT SPECIFICATION NUMBER OF CIRCUITS END OF LINE RESISTOR VALUE END OF LINE FAULT MONITORED FOR OPEN CIRCUIT YES LINE FAULT MONITORED FOR OPEN CIRCUIT YES OUTPUTS FUSED AT MAXIMUM TOTAL OUTPUT CURRENT ALL OUTPUTS MAXIMUM NO OF BELLS @ 25 mA EACH BELL MAXIMUM NO OF ELECTRONIC SOUNDERS @ 20 mA AUXILIARY RELAY CONTACTS (DO NOT CONNECT MAINS VOLTAGES) FUSES - ALL FUSES COMPLIANT TO IEC (ENGO127PT2) MAINS TERMINAL BLOCK 630mA T 20mm AUXILIARY OUTPUT BATTERY FUSE DOOR RETAINING MAGNETS CONNECTION BLOCK LARGEST ACCEPTABLE CONDUCTOR SIZE SMALLEST ACCEPTABLE CONDUCTOR SIZE DIMENSION ENCLOSURE (WIDTH X HEIGHT X DEPTH) 415 X 270 X 100 mm CONNECTION BLOCK DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND - BY TIME DOMESSION ENCLOSURE (WIDTH X HEIGHT X DEPTH) 415 X 270 X 100 mm	DETECTOR CONTINUITY DIODES	(required if End of Line Monitor Unit fitted to give detector removal	
MAXIMUM NUMBER OF MANUAL CALL POINTS PER ZONE SOUNDER CIRCUIT SPECIFICATION NUMBER OF CIRCUITS END OF LINE RESISTOR VALUE 6800 \Omega, 5% tolerance, 0.25W LINE FAULT MONITORED FOR OPEN CIRCUIT YES LINE FAULT MONITORED FOR SHORT CIRCUIT OUTPUTS FUSED AT MAXIMUM TOTAL OUTPUT CURRENT ALL OUTPUTS MAXIMUM NO OF BELLS @ 25 mA EACH BELL MAXIMUM NO OF ELECTRONIC SOUNDERS @ 20 mA AUXILIARY RELAY CONTACTS (DO NOT CONNECT MAINS VOLTAGES) FUSES - ALL FUSES COMPLIANT TO IEC (EN60127PT2) MAINS TERMINAL BLOCK SOUNDER OUTPUTS AUXILIARY OUTPUT BATTERY FUSE DOOR RETAINING MAGNETS CONNECTION BLOCK LARGEST ACCEPTABLE CONDUCTOR SIZE SMALLEST ACCEPTABLE CONDUCTOR SIZE SMALLEST ACCEPTABLE CONDUCTOR SIZE DIMENSION ENCLOSURE (WIDTH X HEIGHT X DEPTH) A 15 X 270 X 100 mm	CALL POINT RESISTOR VALUE (NOT SUPPLIED)	470 to 680 $oldsymbol{\Omega}$, 0.5W	
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LINE FAULT MONITORED FOR SHORT CIRCUIT OUTPUTS FUSED AT 1.6 Amp MAXIMUM TOTAL OUTPUT CURRENT ALL OUTPUTS 3000 mA MAXIMUM NO OF BELLS @ 25 mA EACH BELL 120 MAXIMUM NO OF ELECTRONIC SOUNDERS @ 20 mA 150 AUXILIARY RELAY CONTACTS (DO NOT CONNECT MAINS VOLTAGES) FUSES - ALL FUSES COMPLIANT TO IEC (EN60127PT2) MAINS TERMINAL BLOCK 500MDER OUTPUTS 1.6A F 20mm MAXIMUM OUTPUT 1A F 20mm BATTERY FUSE 3A F 20mm DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND - BY TIME CONNECTION BLOCK LARGEST ACCEPTABLE CONDUCTOR SIZE 5MALLEST ACCEPTABLE CONDUCTOR SIZE DIMENSION ENCLOSURE (WIDTH X HEIGHT X DEPTH) 415 X 270 X 100 mm	END OF LINE RESISTOR VALUE	$6800\mathbf{\Omega}$, 5% tolerance, 0.25W	
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FUSES - ALL FUSES COMPLIANT TO IEC (EN60127PT2) MAINS TERMINAL BLOCK 630mA T 20mm 1.6A F 20mm AUXILIARY OUTPUT 1A F 20mm BATTERY FUSE 3A F 20mm DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND - BY TIME CONNECTION BLOCK LARGEST ACCEPTABLE CONDUCTOR SIZE 5MALLEST ACCEPTABLE CONDUCTOR SIZE DIMENSION ENCLOSURE (WIDTH X HEIGHT X DEPTH) 415 X 270 X 100 mm	MAXIMUM NO OF ELECTRONIC SOUNDERS @ 20 mA	150	
MAINS TERMINAL BLOCK SOUNDER OUTPUTS AUXILIARY OUTPUT BATTERY FUSE DOOR RETAINING MAGNETS CONNECTION BLOCK LARGEST ACCEPTABLE CONDUCTOR SIZE SMALLEST ACCEPTABLE CONDUCTOR SIZE DIMENSION ENCLOSURE (WIDTH X HEIGHT X DEPTH) 630mA T 20mm 1.6A F 20mm 1A F 20mm DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND - BY TIME CONNECTION BLOCK 1.6A F 20mm 1.6A F 20mm 2.5mm 3.A F 20mm DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND - BY TIME CONNECTION BLOCK 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm 3.A F 20mm 1.6A F 20mm 3.A F 20mm 1.6A F 20mm 1.6A F 20mm 3.A F 20mm 1.6A F	AUXILIARY RELAY CONTACTS (DO NOT CONNECT MAINS VOLTAGE	1A 32VDC max Voltage Free	
SOUNDER OUTPUTS AUXILIARY OUTPUT BATTERY FUSE DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND - BY TIME CONNECTION BLOCK LARGEST ACCEPTABLE CONDUCTOR SIZE SMALLEST ACCEPTABLE CONDUCTOR SIZE DIMENSION ENCLOSURE (WIDTH X HEIGHT X DEPTH) 1.6A F 20mm 1.6A F 20mm 1.6A F 20mm 2.5mm 3A F 20mm DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND - BY TIME CONNECTION BLOCK 1.6A F 20mm 1.	FUSES - ALL FUSES COMPL	IANT TO IEC (EN60127PT2)	
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BATTERY FUSE DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND - BY TIME CONNECTION BLOCK LARGEST ACCEPTABLE CONDUCTOR SIZE SMALLEST ACCEPTABLE CONDUCTOR SIZE DIMENSION ENCLOSURE (WIDTH X HEIGHT X DEPTH) 3A F 20mm DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND - BY TIME CONNECTION BLOCK 2.5mm² 0.75mm² 415 X 270 X 100 mm	SOUNDER OUTPUTS	1.6A F 20mm	
DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND - BY TIME CONNECTION BLOCK LARGEST ACCEPTABLE CONDUCTOR SIZE SMALLEST ACCEPTABLE CONDUCTOR SIZE DIMENSION ENCLOSURE (WIDTH X HEIGHT X DEPTH) DO NOT USE PANEL POWER SUPPLY AS YOU WILL DRASTICALLY REDUCE BATTERY STAND - BY TIME CONNECTION BLOCK 2.5mm² 0.75mm² 415 X 270 X 100 mm	AUXILIARY OUTPUT	1A F 20mm	
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SMALLEST ACCEPTABLE CONDUCTOR SIZE DIMENSION ENCLOSURE (WIDTH X HEIGHT X DEPTH) 415 X 270 X 100 mm	CONNECTION	ON BLOCK	
SMALLEST ACCEPTABLE CONDUCTOR SIZE DIMENSION ENCLOSURE (WIDTH X HEIGHT X DEPTH) 415 X 270 X 100 mm	LARGEST ACCEPTABLE CONDUCTOR SIZE	2.5mm ²	
ENCLOSURE (WIDTH X HEIGHT X DEPTH) 415 X 270 X 100 mm	SMALLEST ACCEPTABLE CONDUCTOR SIZE		
ENCLOSURE (WIDTH X HEIGHT X DEPTH) 415 X 270 X 100 mm	DIMENSION		
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