CAKJ-XHB-16LF~196LF Microcomputer Central Signal Alarm Device

I. Summary

CAKJ-XHB series integrated microcomputer central signal alarm device is a centralized management microcom puter signal alarm system specially designed for the signal system of power plants and substations. It has strong anti-interference ability, simple operation, convenient installation and use, and small maintenance . The product is widely used in power, petroleum, chemical, metallurgical and coal industries, and is an intelligent product for power and industrial automation m onitoring and signal alarm.

2. Functional Features

1. The device panel has digital display, setting keys, and self-test upon power-up.
2. It has the functions of testing (trial lamp), confirmation (acceptance), silencing, resetting, and recalling, and come s with built-in function buttons.
3. It has the function of switching between attended and unattended modes.
4. It has manual and automatic confirmation functions, and the automatic confirmation time (0-200s) can be set.
5. The signal alarm type can be distinguished: accident signal S, warning signal Y, and position signal P can be set.
6. Color of the optical character plate: You can choose from white to red, white to white, white to yellow, and white to green. According to the alarm type of the signal, the color distin ction is more eye-catching and intuitive.
7. The type of input signal can be set: switch type contact (h), switch type hold contact (E), and pulse type hold contac t (C). (Note)
8. Selection of normally open and normally closed input signals: For each signal, you can set normally open to norma lly closed alarm (default), and set normally closed to normally o pen alarm.
9. Signal delay alarm: 0-9999ms delay alarm time can be set.
10. The device is equipped with a buzzer, accident with long sound "Di---", warning signal with short sound "Di, Di, Di , Di", and position signal without sound.
11. The device has accident and warning signal alarm output contacts, which can start electric whistles and bells to e nhance the effect of sound alarm.
12. It has accident and warning remote signaling output contacts, which can be connected to other devices or used as an accident stop clock signal.
13. It has a device power loss contact output.
14. It has digital communication output, RS485 serial communication interface, MODBUS communication protocol.

Note:

Switch type contact h: Dynamic closing contact, when the system fails, the contact closes, the device alarms, and whe n the fault is resolved, the contact opens, and the alarm resets.
Switch type hold contact E: Dynamic closing contact, when the system fails, the contact closes, the device alarms, an d when the fault is resolved, the contact opens, and the alarm sig nal remains, which requires manual reset.
Pulse type contact C: Pulse-type dynamic closing contact, when the system fails, the contact closes and opens after 1s, and the alarm signal remains. When the fault is resolved, it nee ds to be manually reset.

III. Model Specifications

Model CAKJ-XHB	Number of alarm loops	Model Number	Signal Type	Specify
				Chang'an Science and Technology Monolithic Signal Alarm Device
	-16			16 Circuit alarm signal (16 alarm light word card), window 30x30m m
	-24			24 Circuit alarm signal (24 alarm light word plate), window 30x30m m
	-32			32 Circuit alarm signal (32 alarm light word card + 4 spare parts), wi ndow 30x30mm
	-36			36 Circuit alarm signal (36 alarm light word plate), window 30x30m m
	-40			40 Circuit alarm signal (40 alarm light word card), window 30x30m m
	-48			48 Circuit alarm signal (48 alarm light word plate), window 30x30m m
	-64			64 circuit alarm signal (64 alarm light word plate), window 30x30m m
	-96			96 Circuit alarm signal (96 alarm light word plate), window 30x30m m
	-132			132 Circuit alarm signal (132 alarm light word card), window 30x30 mm
	-160			160 circuit alarm signals (160 alarm light words), window 30x30mm
	-192			192 circuit alarm signal (192 alarm light word card), window 30x30 mm
		LF		Digital window setting, LF series size 19 inch rack-mounted case
		LF2		Digital window setting, LF2 series small size
			Nothing	The alarm signal is an open-circuit signal input without power.
			-A	Alarm signal is active voltage signal input (DC220V, DC110V, DC125 V, etc., indicate when ordering)

Note: When powered by AC, select active contact input, which can only use the hold signal and requires manual rese t. Otherwise, it is necessa ry to indicate the DC voltage of the signal.

IV. General Technical Requirements

1. Working power supply: AC, DC80-265V, or user-defined.
2. Signal capacity: 16, 24, 32, 36, 48, 64, 96, 128, 132, 192, 196 circuits.
3. Input signal mode: normally open passive dry contact or active contact.
4. Indicator light: luminous window size 30x30. Color: white, red, green, yellow (amber) optional, display different c olors during alarm.
5. Alarm output: flashing indicator light, buzzer, or audio sound.
6. Alarm sound: buzzer beep 60DB; optional expansion audio, our company CAKJ-DL bell, CAKJ-DD whistle, CA-XXS- YX2 electronic audio.
7. Contact output: 5 relay contact outputs, corresponding to power failure, pre-alarm, accident alarm, pre-remote si gnal (follow-up opening), acci dent remote signal (follow-up opening).
8. Contact capacity: AC250V, 3A pure resistive load, DC220V, 0.125A inductive load.
9. Function setting: light touch key setting, 5-digit LED display.
10. Power consumption: for 16-96 circuits, the total power is not more than 50W, for 128-196 circuits, the total power is not more than 100W.
11. Communication interface: standard RS485 serial communication interface, MODBUS communication protocol.
12. Insulation resistance: between input-output-power-case, not less than 100MΩ.
13. Working frequency withstand voltage: between input-output-power-case, can withstand 2kv, 1min, 5mA, 50/60H Z test, no flashover, breakdo wn phenomenon.
14. Anti-interference capability: can withstand 1MHz and 100kHz attenuated oscillation wave high-frequency interference test, the first half-wave voltage amplitude common mode is 2.5kV, differential mode 1.0Kv, the product should not appear false action or refusal to act phenomenon.
15. Environmental conditions: ambient temperature -10℃~60℃; ambient humidity not more than 90%.
16. Weight: 5kg.

5. Apparatus Alarm and Inspection

1. Power-on self-test, connect the device to the power supply and turn on the power switch on the back of the device, the digital setting window on the device panel displays the numbers in sequence [0.0.0.0.0] [1.1.1.1.1] ... [7.7.7.7.7] [8.8.8.8.8] all the light-type signs are on [9.9.9.9.9] all the light-type signs are on to scroll display [C-nL] (as a power indicator) the light-type signs are extinguished, and the power-on self-test is completed.

2. Press the "Test" button, all the warning lights flash, the buzzer sounds, and the audio output contact acts. Release t he test button to return to the monitoring state.

3. When the signal is alarming, the corresponding light plate is flashing, the buzzer is sounding, the audio output co ntact is moving, the electric b ell and electric whistle are sounding, and the remote contact is moving. The digital dis play window displays the corresponding loop number.

4. Press the "Silence" button, the warning light continues to flash, the buzzer is silent, the audio output contact return s, and the bell and whistle are silent.

5. Press the "Confirm" button (or automatic confirmation after 0-200s), the warning light will change from flashing to steady, t he buzzer will be silent, the audio output contact will return, and the bell and whistle will be silent.

6. When the signal is reset, the signal input by the switch contact is extinguished, and the remote contact returns. Th e signal input by the holding contact remains i n alarm, and the indicator remains on. It needs to be manually reset (press the "Reset" button) before the indicator goes out and the remote contact returns.

7. Long press the "Recall" button, the signals that have been reported will be displayed on the light plate in the order of their occurrence, following the principle of LIFO (Last I n, First Out), and the LED will display the reported loop sy nchronously. U p to 200 signals can be recalled, with alarm recall taking priority during the recall process.

8, Manned/Unmanned conversion, self-locking switch or button is connected at N6 and C4 terminals, the mode is un manned when N6 and C4 are connected. W hen unmanned, the digital display shows "-----", signal alarm light, sound and other devices do not work, communication interface, remote signal contact outpu t is used normally.

6. Apparatus Setup

Press "SET" to set, press "←" to shift, "↑" to add 1, enter password (8080) to enter the setting state. Press "SET" to turn page s according to the menu prompt to set various functions. (Version number: v3.2.1)

Programming Symbol	Set content	Operation key	Set the range	Default (description)
C 0	Enter the password	“←” “↑”	password	8080
n. n	Set the total number of alarm loops	"SET"	16-196 Road	64 (if 64 ways) This is the factory setting
30	Set Auto-Confirmation Time	“←” “↑”	0~200s	30s (not auto confirm when "0")
d. 20	Set signal delay alarm time	“←” “↑”	0-9999ms	20,20ms,
y--A	Alarm Sound Settings	"↑" Select	A, F, d, n	A (A full sound, F only buzzer, d only external electronic sound, n no sou nd)
S. 1	Device Communication Address	“←” “↑”	0~255	1 (Mailing address is unique)
b.9600	Communication Baud Rate	"↑" Select	9600/4800	9600
J. 0	Memory signal clearing	“←” “↑”	Clear Password	1001 (Password correct clear record)
L01-y	Set 01 Signal alarm type	"↑" to select, "←" t	y, S, P	y (The device defaults all signals to "y" warning signals, and you can sele
L02-y	Set 02 Signal Alarm Type	o turn page, set th		ct "S" accident signals for each signal type by pressing "↑", select "P" posit
		e signal type one b		ion signals by pressing "↑", and press "←" to turn the page after selection
Ln-y	Set up the alarm type for n signals	y one		is complete, setting each signal type one by one.)
E01-h	Set 01 Signal input state	"↑" to select, "←" t	h, C,E	h (h device default switch type contact), press "↑" to select "C" pulse type
E02-h	Set 02 Signal Input Status	o page, set input st		hold contact, press "↑" to select "E" switch type hold contact, select comp
[redacted]		ate one by one		lete, press "←" to turn the page, set the signal state one by one.)
En-h	Set the state of the n signal inputs			
F01-o	Set 01 Signal open/close alarm	"↑" to select, "←" t	o, c	o (o device default normally open contact closure alarm), press "↑" to sel
F02-o	Set 02 Signal Open/Close Alarm	o page, set input st		ect "c" normally closed contact open alarm, select complete, press "←" to t
		ate one by one		urn the page, set the signal open / close alarm one by one.)
Fn-o	Set up n signal open/close alarms			

Press "SET" to save and exit the setting, and return to normal alarm state.

◆Signal Common Setting Table; Enter the setting by “SET”, shift by “←”, add 1 by “↑”, and complete the setting and return by “SET” after entering the code.

Input code	Set the alarm type for 1-n road signals	Input code	Set the state of the 1-n channel signal input
C1101	Set as accident signal S	C1104	Set to switch contacts h
C1102	Set as preview signal y	C1105	Set to impulse contact C
C1103	Set to position signal P	C1106	Set to maintain contact E

Note: This setup is for the convenience of the user to set all signals to one type or status on site, do not operate it light ly.

◆Note: The working procedure for input signal status and alarm progr am description is as follows when the input signal status is selected as h (default):

Routes	Operating conditions	Button operation	Alarm Status	Light Word Card	Alarm sound	Note
1	Normal	-	Normal	extinction	#Silent	
2A	Anomaly	-	alarm	Flash	Sounding	Audio-optical alarm
2B	Anomaly	Silencing	alarm	Flash	#Silent	Keep alarm
3A	Anomaly	Confirm	confirmed	Plain Glasses	#Silent	Keep alarm
3B	Normal		-	to line 4		Instant alarm
4	Normal	-	Normal	extinction	#Silent	Automatic reset

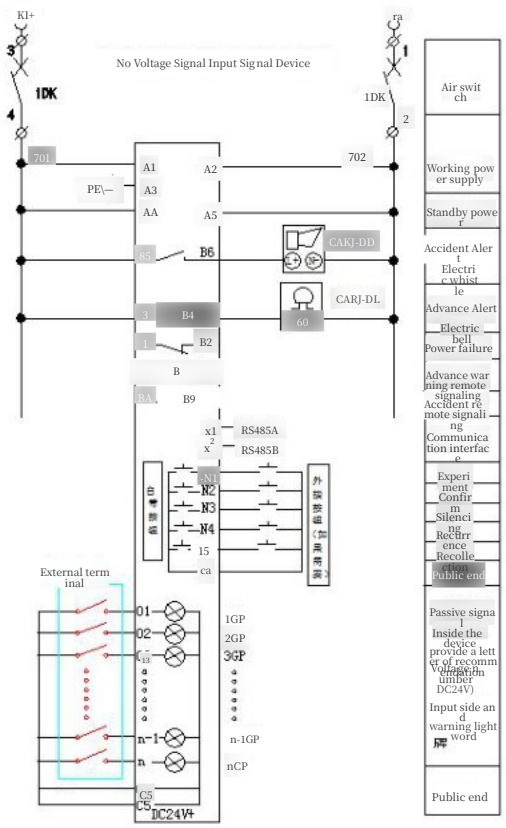
When the input signal state is selected as C or E, the workflow is as follows:

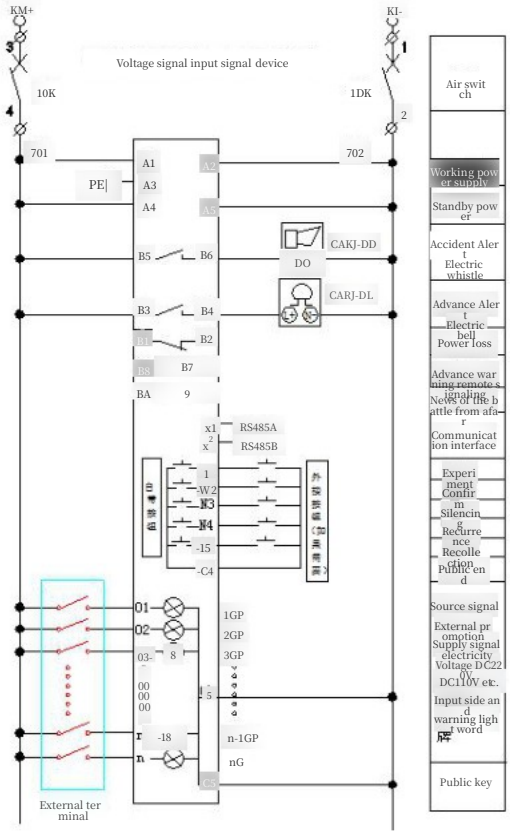
Line Operating Condition Button Operation Alarm Status Light Word Plate Alarm Sound Note
1 Normal - Normal Off Silent
2A Abnormal - alarm flash sound make sound sound and light alarm
2B Abnormal Silencing Alarm Flashing Silent Maintain Alarm
3 Abnormal or normal Confirm Confirm the Flat Silent Maintain alarm
4A Abnormal Return - To Line 3 Hold Alarm
4B Normal Normal Off Silent Manual Reset

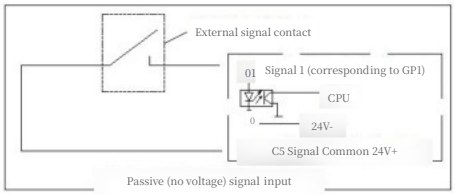
Note: a normal signal refers to a signal that is not alarming, and an abnormal signal refers to an alarming state.

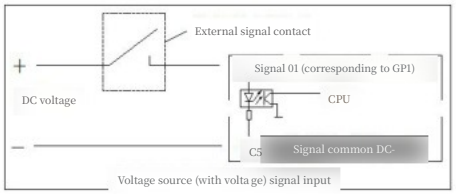
7. Product Specifications, detailed description

System and Line Diagram (Note: It is best to provide the name of each alarm signal and the color of the alarm ti me word plate when ord ering, so that it can be set up before leaving the factory)









Note: The method of in put signal, passive (no voltage) and active (wit h voltage), require s a c hange in the hardware circuit, please select th e correct model when o rdering: CAKJ-XHB-□L F for passive signal inp ut, CAKJ-XHB-□LF-A f or active signal input.

◆Order Selection

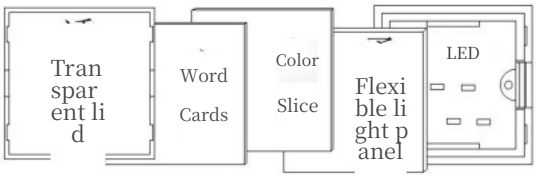
Passive (voltage-free) signal input and active (with voltage) signal input methods, as the har dware circuit needs to be changed, the correct model should be sel ected when ordering: CAKJ-XHB-□LF is for passive signal input, and the power supply voltage should be noted when ordering, both AC and DC voltages are ac ceptable.

CAKJ-XHB-□LF-A is for active signal input, and the DC voltage of the signal power and the voltage of the po wer supply shall be indicated when ordering. The voltage of t he power supply can be AC or DC.

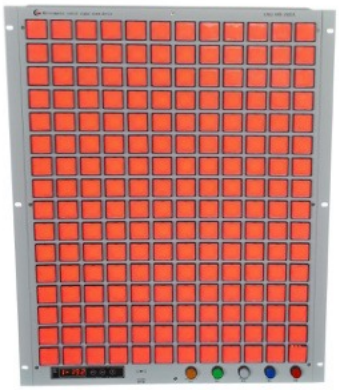
Note: When ordering, please provide the name of each alarm signal and the color when alarmed, so that it ca n be configured bef ore leaving the factory. If you cannot determine when ordering, you can configure it you rself according to the following view.

★Light Word Sign Alarm Name Printing Transp arent Paper Or Illuminated Board Replacement Schematic Diagram ☞

1. The LED light board of the optical character can be specified in color, red, yellow (amber), green, white. White when not alarming, color-coded when alarming.
2. A white LED light board is used, and color filters can be added to display different colors. Display color plate color when not alarming, emit light when alarming.



◆ Central Signal Alarm Device Legend

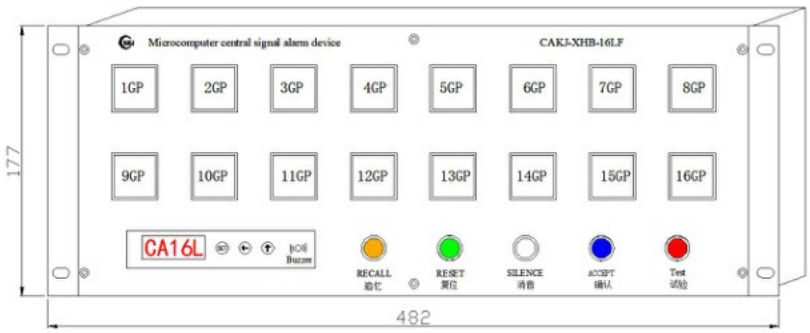


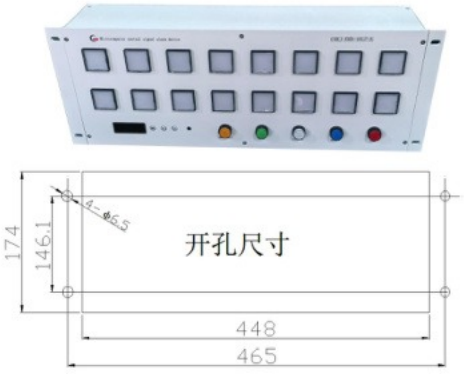
◆Terminal Block Markings

Basic function terminal		Alarm signal input end													Description
Terminal Number	Meaning	Terminal Number													
A1	Supply Voltage L/+	01	17	33	49	65	81	97	113	129	145	161	177		Passive dry contact signal input or active voltage signal DC+ terminal
A2	Supply Voltage N/-	02	18	34	50	66	82	98	114	130	146	162	178		
A3	Power Supply PE	03	19	35	51	67	83	99	115	131	147	163	179		
B1	Power failure normally closed	04	20	36	52	68	84	100	116	132	148	164	180		
B2	Power Failure Normally Closed	05	21	37	53	69	85	101	117	133	149	165	181		
B3	Preview Sound Contact	06	22	38	54	70	86	102	118	134	150	166	182		
B4	Preview Sound Contact	07	23	39	55	71	87	103	119	135	151	167	183		
B5	Accident Sound Contact	08	24	40	56	72	88	104	120	136	152	168	184		
B6	Accident Sound Contact	09	25	41	57	73	89	105	121	137	153	169	185		
B7	Total forecast remote signaling contact	10	26	42	58	74	90	106	122	138	154	170	186		
B8	Total forecast remote signaling contact	11	27	43	59	75	91	107	123	139	155	171	187		
B9	Total accident remote signaling contact	12	28	44	60	76	92	108	124	140	156	172	188		
BA	Total accident always trust interception point	13	29	45	61	77	93	109	125	141	157	173	189		
NC	Standby (Communication)	14	30	46	62	78	94	110	126	142	158	174	190		
NC	Standby (Communication)	15	31	47	63	79	95	111	127	143	159	175	191		
X1	RS485A	16	32	48	64	80	96	112	128	144	160	176	192		
X2	RS485B	C5	C5	C5	C5	C5	C5	C5	C5	C5	C5	C5	C5		Signal common terminal
XD	Communication Address	C5 is for passive dry contact signal input (common terminal), or active voltage signal DC- end. All terminals of C5 in the device are connected together, one C5 is brought out for every 64 channels, and one C5 is brought out for every 64 channels if the number of channels exceeds 64. External button (if required)													
N1	Experiment	Passive dry contact signal Active voltage signal													
N2	Confirm														
N3	Silencing														
N4	Reset														
N5	Recollection														
N6	No manned														
C4	Public end														

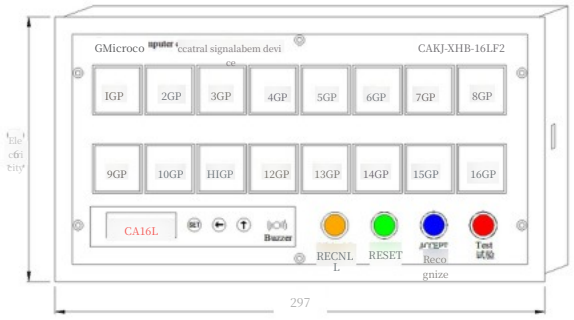
8, Device size and hole pattern (depth size 92mm)

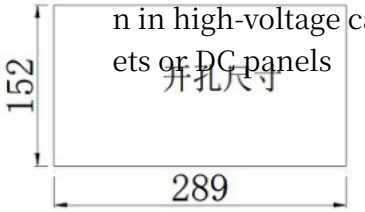
1) 16-channel signal device (CAKJ-XHB-16LF, CAKJ -XHB-16LF-A)





◆16-way signal device (CAKJ-XHB-16LF2, CAKJ-XHB-16LF2-A) small size (without silencing button and unattended function)

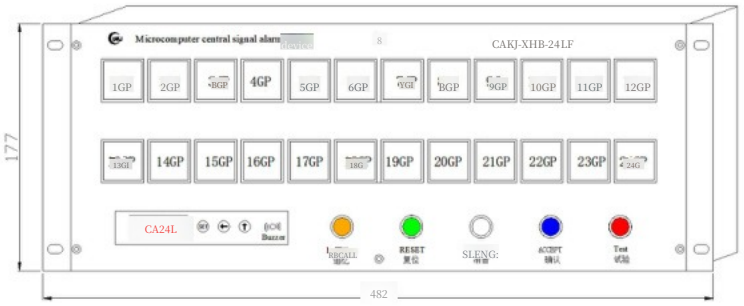




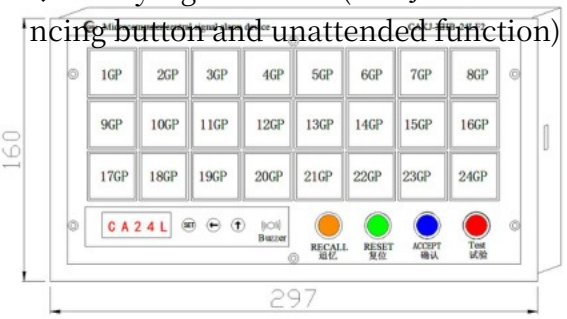
Suitable for installation in high-voltage cabinets or DC panels

Mounting bracket

2)24-channel signal device (CAKJ-XHB-24LF, CAKJ-XHB-24LF-A)



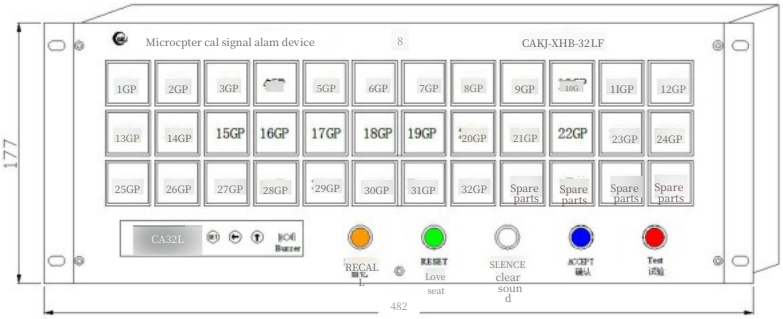
◆24-way signal device (CAKJ-XHB-24LF2, CAKJ-XHB-24LF2-A) small size (without silencing button and unattended function)

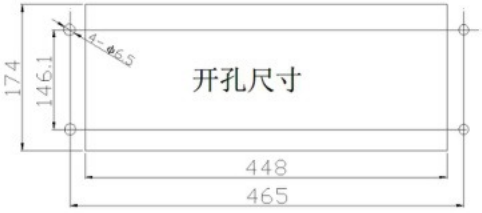


Suitable for installation in high-voltage cabinets or DC panels

Mounting bracket

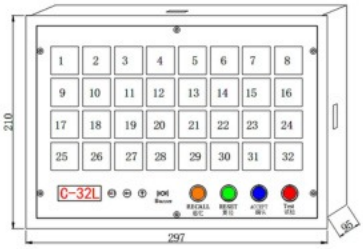
3)32-channel signal device (CAKJ-XHB-32LF, CAKJ-XHB-32 LF-A)

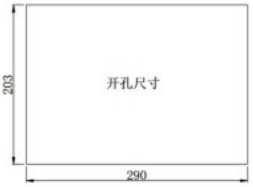




◆32-way signal device (CAKJ-XHB-32LF2, CAKJ-XHB-32LF2-A) small size (without silencing butto n and unattended function)

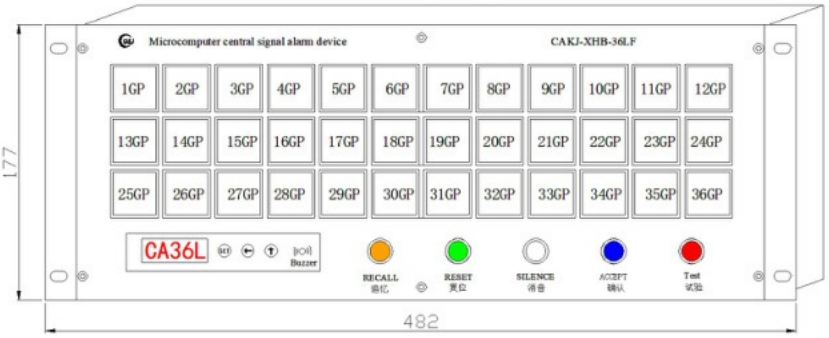
Suitable for installation in high-voltage cabinets or DC panels



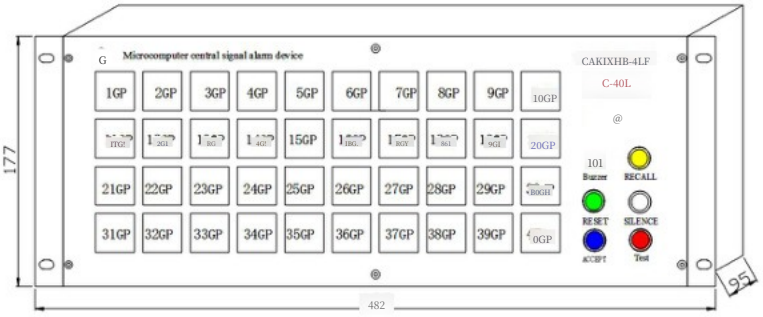


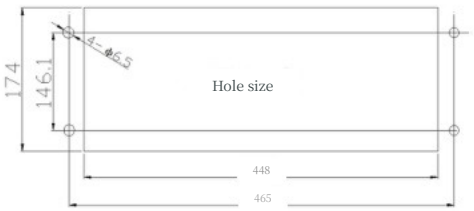
Mounting bracket

4)36 Channel Signal Apparatus (CAKJ-XHB-36LF, CAKJ-XHB-36LF-A)

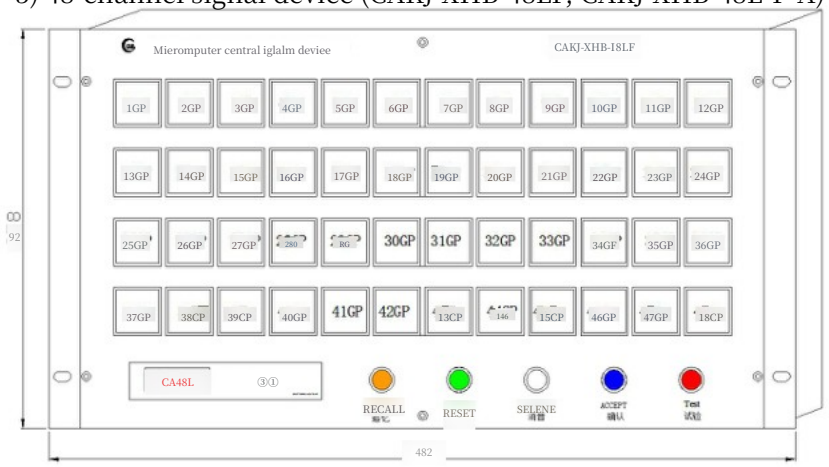


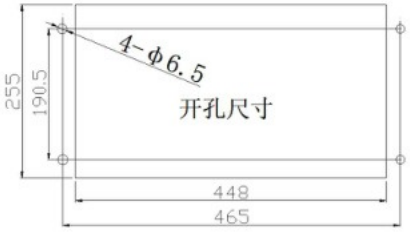
4)40-channel signal device (CAKJ-XHB-40LF, CAKJ-XHB-40LF-A)



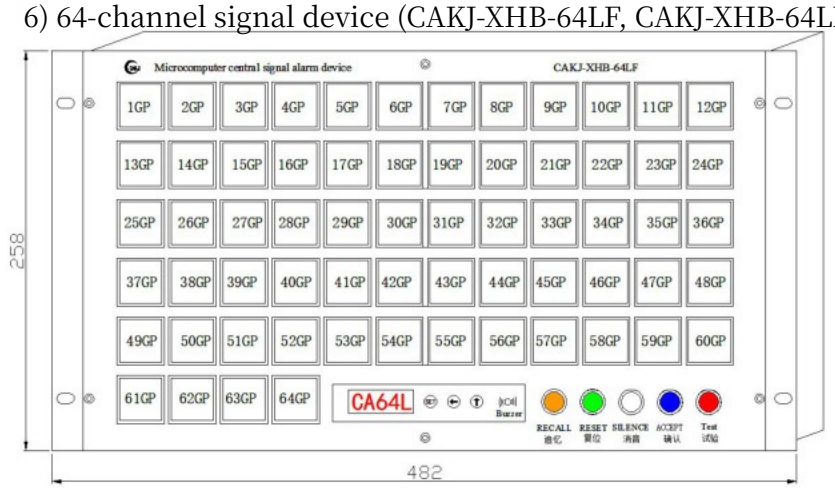


5) 48-channel signal device (CAKJ-XHB-48LF, CAKJ-XHB-48L F-A)

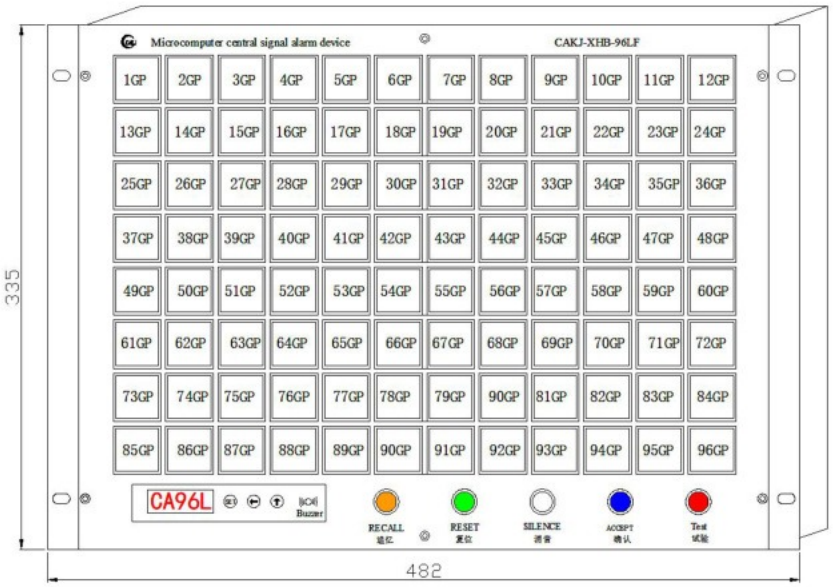


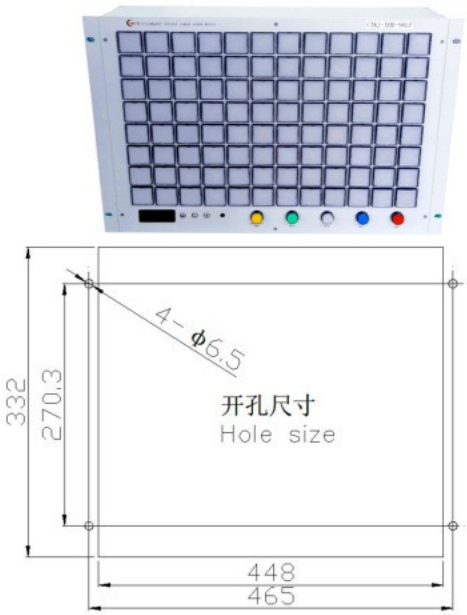


6) 64-channel signal device (CAKJ-XHB-64LF, CAKJ-XHB-64LF-A)

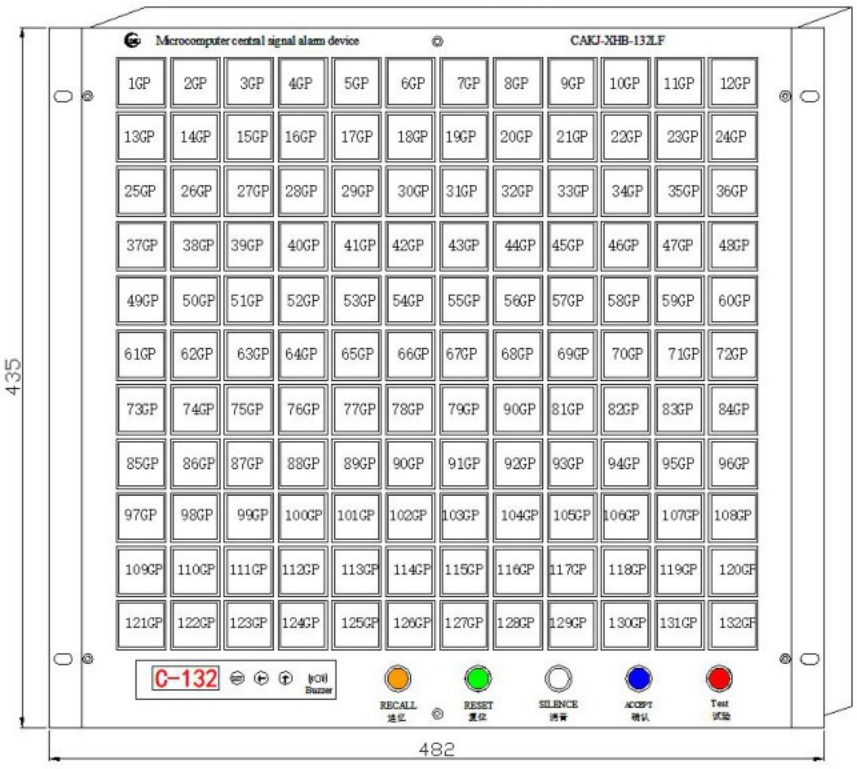


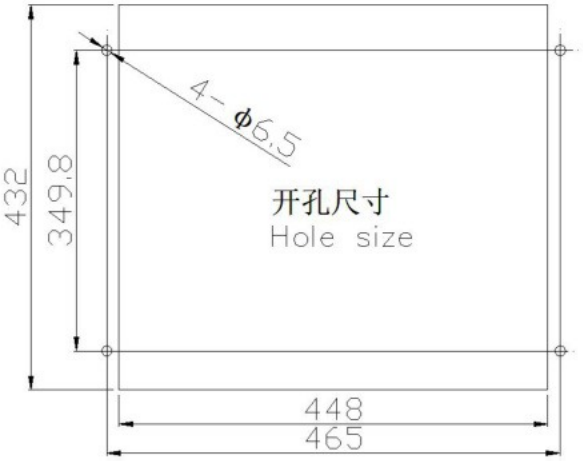
7) 96-channel signal device (CAKJ-XHB-96LF, CA KJ-XHB-96LF-A)



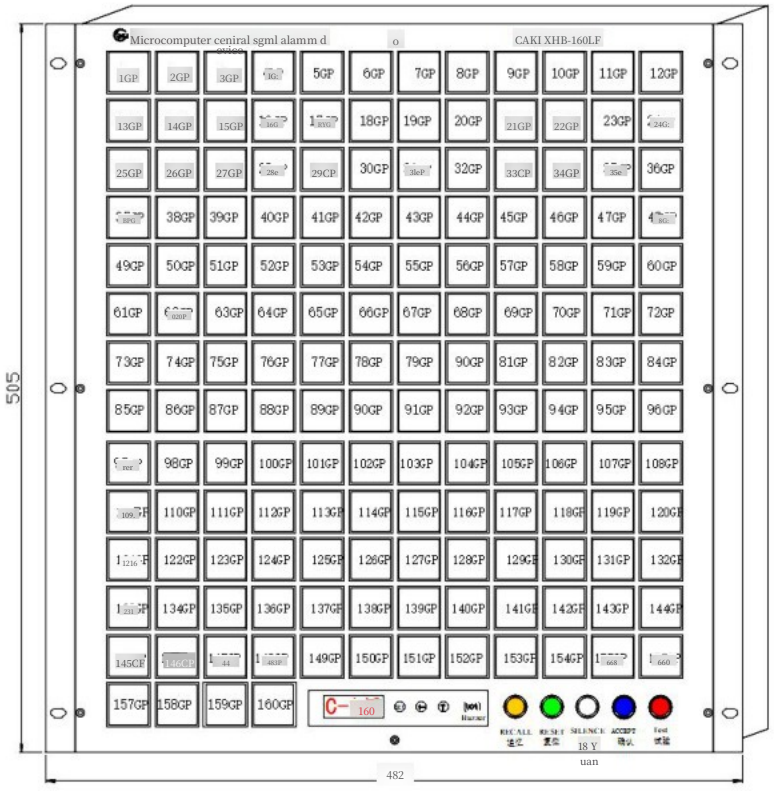


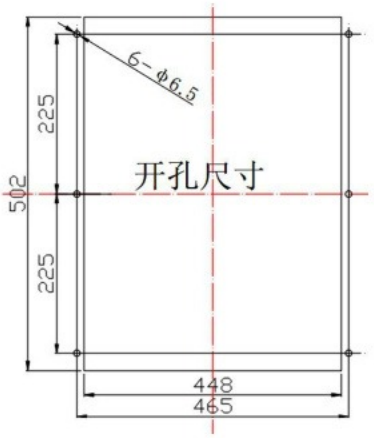
8)132 Channel Signal Device (CAKJ-XHB-132LF, CAK J-XHB-132LF-A)



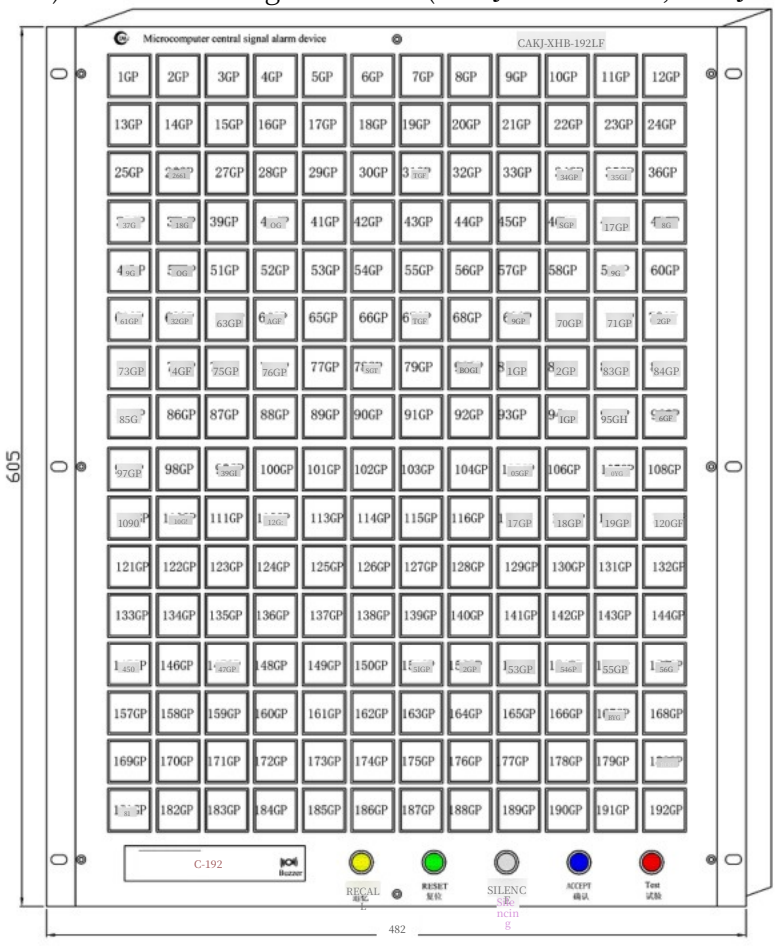


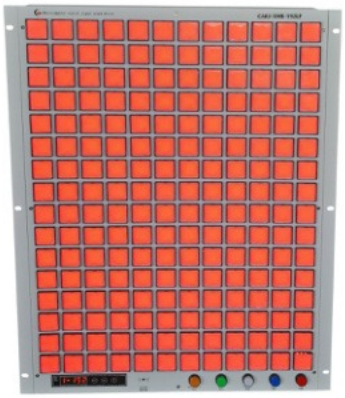
9) 160-channel signal device (CAKJ-XHB-160LF, CAKJ-XHB-160LF-A)

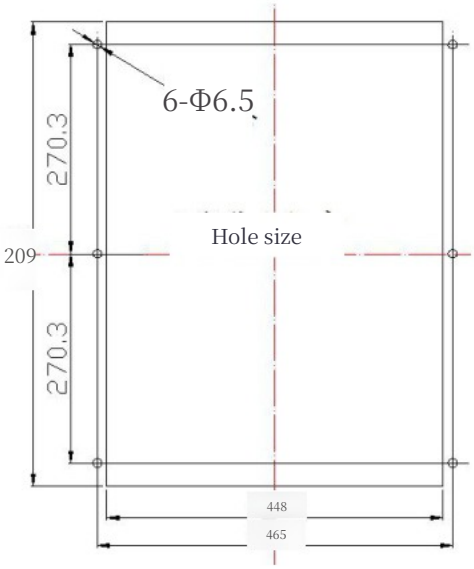




10) 192-channel signal device (CAKJ-XHB-192LF, CAKJ-XHB-192LF-A)







CAKJ-DL,DD Electronic Bell and Whistle (optional)

I. Summary

CAKJ-DL, DD Electronic Bell and Whistle, is a low-power, interference-free, high-volume electro nic alarm device designed for central signal alarm in power systems. It uses a single-chip microcom puter to simulate the sound spectru m of electromagnetic bells and whistles, with a similarity of 98% to the sound of electromagnetic bells and whistles.

Second, model specifications:

CAKJ-DL Electronic Bell

CAKJ-DD Electronic Whistle

Third, technical parameters:

Working power supply: AC, DC 80~265V, wide voltage, AC and DC universal, DC 24V.

Consumption power: not more than 3VA (specify when ordering)

Sound volume: 120DB

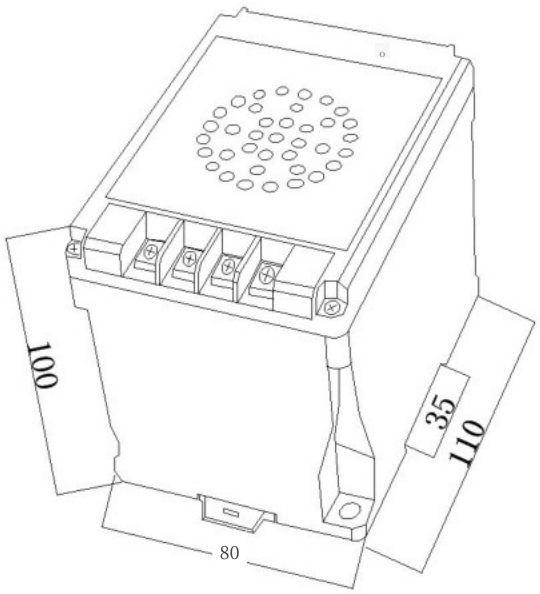
Bell sound: Ding-dong-dong-dong, uninterrupted sound

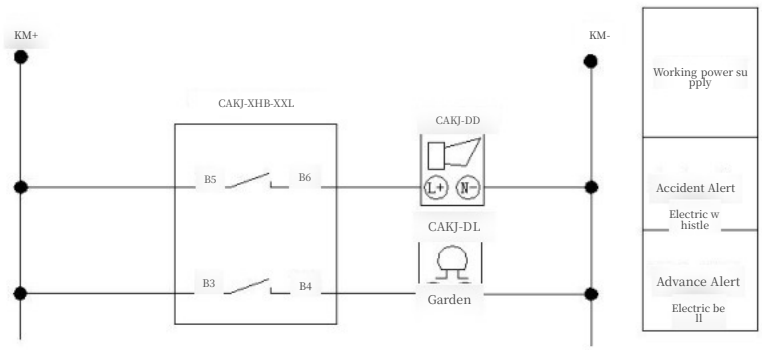
Whistle sound: Toot-toot-toot-toot, uninterrupted sound

Working mode: Ringing when powered on, silent when powered off.

Dielectric properties

Isolation Voltage: 3000V between input terminals and ground for 1 minute. Insulation resistance: >100MΩ. Immunity to interference: The product can withstand the immunity test to electrical fast transient/burst pulses of level 4 as specified in Chapter 5 of GB/T 17626.4-2008. Applicable environ ment: Temperature -25~55℃, humidity not exceeding 90% RH. Mean time between failures: Not le ss than 50000h. Four, dimensions and wiring. Dimensions: 80x110x100mm. Mounting method: 35 mm rail mounting.





CAKJ-DL2,DD2 Electronic Bell and Whistle (optional)

I. Summary

CAKJ-DL2, DD2 Electronic Bell and Whistle, is a low-power, interference-free, high-volume electronic alarm device designed for central signal alarm in power systems. It uses a single-chip microcomputer to simulate the sound spectrum of electromagnetic bells and whistles, with a sound similarity of up to 98% to electromagnetic bells and whistles. It is suitable for multi-signal driving of a single bell or whistle.

Second, model specifications:

CAKJ-DL2 Electronic Bell

CAKJ-DD2 Electronic Whistle

Third, technical parameters:

Auxiliary power supply: AC, DC 80~265V, wide-voltage AC/DC universal, DC24V

Power consumption: not more than 3VA (specify when ordering)

Sound volume: 120DB

Bell sound: Ding-dong-dong-dong, uninterrupted sound

Whistle sound: Toot-toot-toot-toot, uninterrupted sound

Working mode: When the power is turned on, the signal contact is closed and the sound is made.

Dielectric properties

Isolation voltage: 3000V between input terminal and ground for 1 min. Insulation resistance: >100MΩ.

Immunity to disturbance: The product can withstand the immunity test of electrical fast transient pulse groups with the test level of Grade 4 specified in Chapter 5 of GB/T 17626.4-2008.

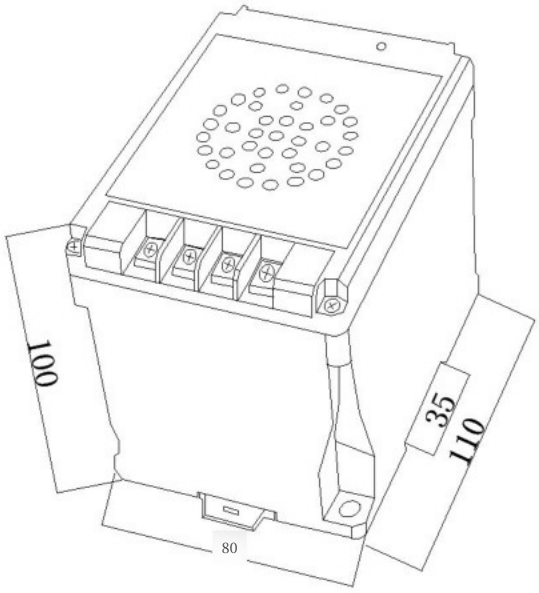
Applicable environment: Temperature -25 ~ 55℃, humidity not more than 90% RH.

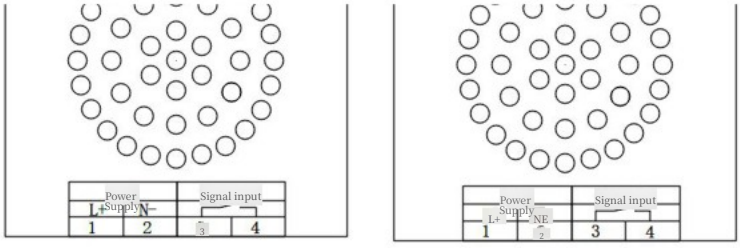
Mean time between failures: Not less than 50000h.

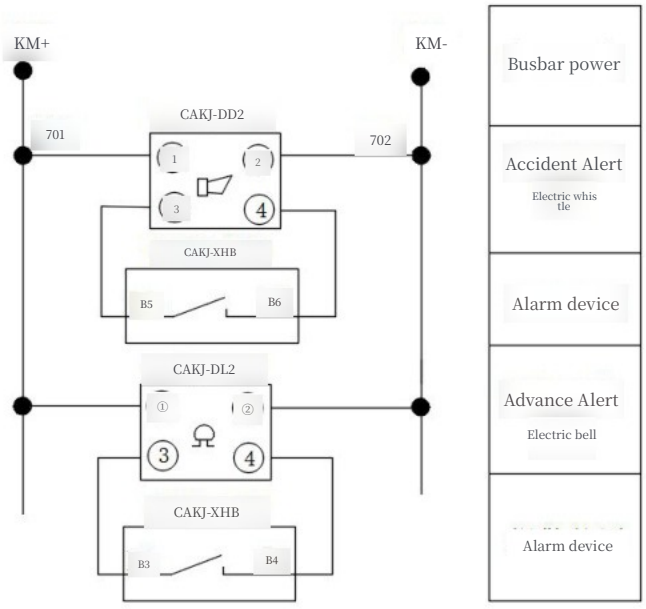
Fourth, dimensions and wiring.

Dimensions: 80x110x100mm.

Mounting method: 35mm rail mounting.



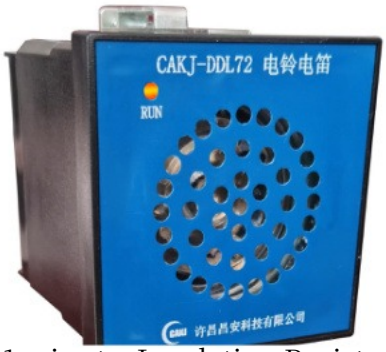




CAKJ-DDL72 Electronic Bell and Whistle (Embedded) (Optional)

I. Summary

CAKJ-DDL72 Electronic Bell Whistle is a low-power, interference-free, and high-volume electro nic alarm device d esigned for central signal alarm in power systems. It uses a single-chip microcom puter to simulate the sound spectru m of electromagnetic bells and whistles, with a similarity of 98% to the sound of electromagnetic bells and whistles.



II. Technical Parameters

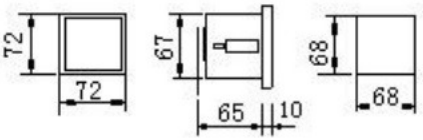
Operating Power Supply: AC, DC 80~265V, Wide-voltage AC/DC Uni versal, DC 24V
Consumption of Power at Ordering: Not more than 3VA
Volume of Sound: 120DB
Ringtone: Ding-dong-dong-dong, uninterrupted sound
Whistle Sound: Toot-toot-toot-toot, uninterrupted soun d
Working Mode: Ringing when powered on, silent when powered off

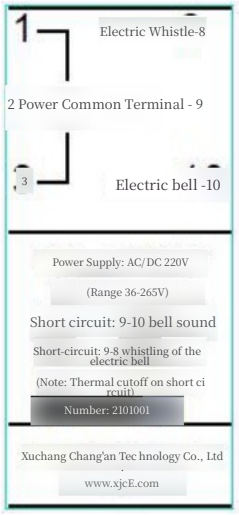
Dielectric properties

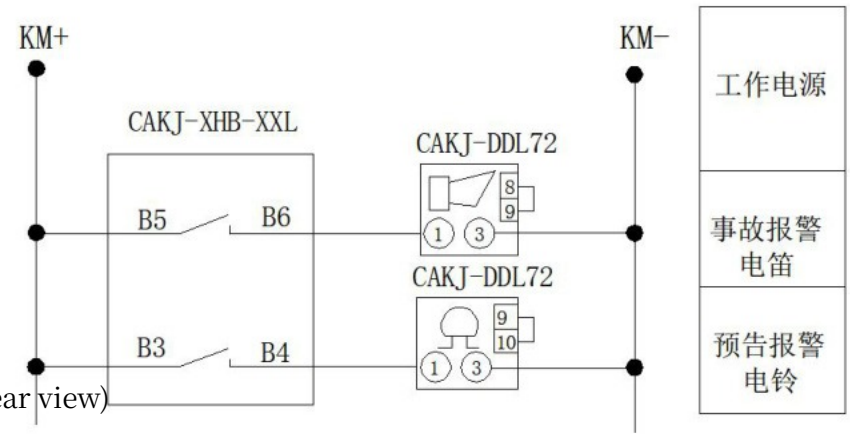
Isolation Voltage: 3000V between input terminals and ground for 1 minute. Insulation Resistance: >100MΩ. Immunity to Interference: The product can withstand the electrical fast transient/burst i nterference test with test level 4 as specified in Chapter 5 of GB/T 17626.4-2008. Applicable Enviro nment: Temperature -25~55℃, Relative humidity not exceeding 90% RH. Mean Time Between Fail ures: Not less than 50000h.

3. Dimension and wi ring

Dimension: 72x72x7 5mm
Hole size: 68x68mm







Terminal connection diagram (rear view)

IV. Ordering Instructions

CAKJ-DDL72 Electric bell and electric whistle can be realized by external shorting wire to alar m the sound of electric bell or electric whistle 1 set of 2 can be realized separately.

CA-XXS-YX2 Electronic Audio (optional)

I. Summary

CA-XXS-YX2 Electronic Sound, is a low-power, interference-free, high-volume electronic alarm device designed for central signal alarm in power systems. It adopts single-chip microcomputer analog electronic sound (fire alarm sound, ambulance sound), electric whistle, and electric bell audio spectrum, and its sound is similar to that of fire alarm, ambulance, electromagnetic electric bell, and electric whistle, with a similarity of 98%. It has a dual speaker and dual tone, and the tone and volume can be selected and adjusted.

II. Technical Parameters

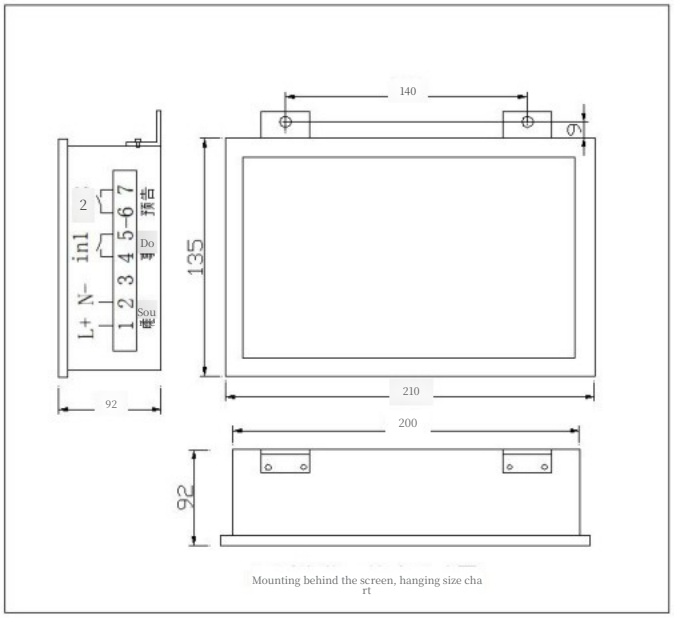
Working power supply: AC, DC 80~265V, wide voltage AC and D C universal, DC24V. Ordering power consumption: not more tha n 5VA. Volume adjustabl e: treble 120DB, bass 60DB. The tone can be selected by pressing the "volume " key. Optional: electronic sound, electric bell and whistle sound. The alarm circuit: 2-way signal input, accident sound and pre-alarm sound contact. Wo rking mode: signal sound when connected, no sound when disconnected. So und test: connect the power supply, p ress the test key, the accident and pre-alarm sound at the same time, the indicator light is on. Indicator light: 6 LE D indicators, power, test, tone, volume, accident, pre-alarm tone (not bright - electronic sound, bright - electric bell and whistle), volume (not bright - lo w volume, bright - high volume). Key: 3 keys, test, tone, volume. Dielectric p roperties Isolation voltage: 3000V between input terminals and ground, 1mi n. Insulation resistance: >100MΩ. Anti-interference ability: the product can withstand the electrical fast transient pulse group interference test specified in Chapter 5 of GB/T 17626.4-2008 with the test level of 4. Applicable environ ment: temperature -25~55℃, humidity not more than 90% RH.

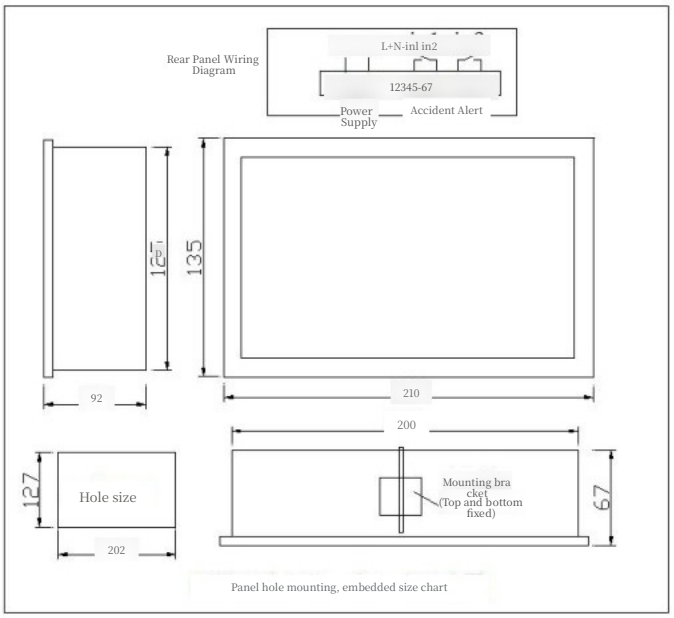
Mean time between failures: not less than 50000h

III. INSTALLATION AND CONNEC TION

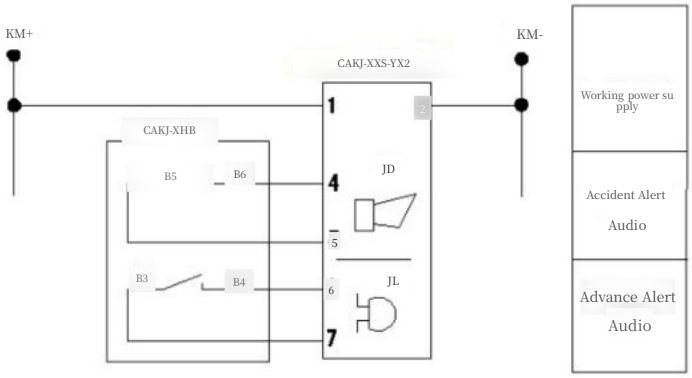
Openings are reinforced with brackets or hung from the back with attachments

Dimensions: 210X135X92
Hole size: 202X127





System Wiring Diagram



CAKJ-DDL96 综合报警器

一，概述

CAKJ-DDL96 综合报警器，是为电力系统中央信号报警而设计的一款低功耗、无干扰、大音量电子式报警设备。采用单片机模拟电磁式电铃电笛声音频谱，其发声与电磁式电铃电笛发声相似度达 98%。

二，技术参数

工作电源：AC,DC80~265V,宽压交直流通用，DC24V 订货时指明

功率消耗：不大于 3VA

声音音量：120DB

电铃：端子 9-10 断开，电铃声报警。

电笛：端子 9-10 短接，电笛声报警

工作方式：①端子 7-8 短接上电报警。②端子 7-8 输入报警接点故障时报警。

音量控制：端子 6-5 短接高音量 H，端子 4-5 短接低音量 L。

隔离电压：输入端子对地3000V,1min

绝缘电阻：>100MΩ 。

抗干扰能力：产品能承受 GB/T 17626.4-2008 中第 5 章规定的试验

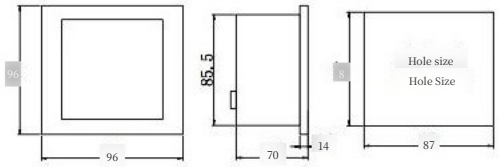
等级为 4 级的电快速瞬变脉冲群抗扰度试验

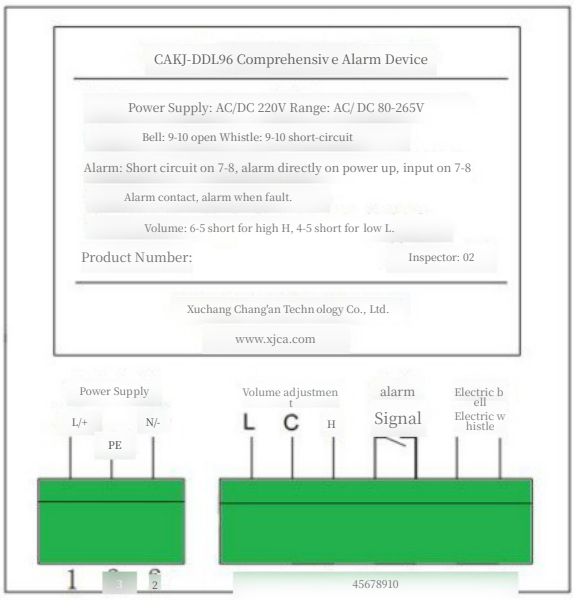
适用环境：温度-25~55℃，湿度不大于 90%RH

平均无故障工作时间：不小于 50000h

三，外形尺寸及接线

外形尺寸：96x96x84mm 开孔尺寸：87x87mm





CAKJ-DDL96 comprehensive alarm

1、 Overview

CAKJ-DDL96 comprehensive alarm is a low-power, interference free, high volume electronic alarm device designed for central signal alarm in power systems. Using a microcontroller to simulate the sound spectrum of an electromagnetic bell and whistle, the similarity between its sound and that of an electromagnetic bell and whistle is 98%.

2、 Technical parameters

Working power supply: AC,DC80~265V, Wide voltage AC/DC universal, DC24V specified when ordering

Power consumption: not exceeding 3VA

Sound volume: 120DB

Electric bell: When terminals 9-10 are disconnected, the electric bell will sound an alarm.

Electric horn: Terminal 9-10 short circuited, electric horn sound alarm

Working mode: ① Short circuit terminals 7-8, power on alarm.

② Terminal 7-8 is connected to the alarm contact, which will sound an alarm in case of a fault.

Volume control: Short circuit terminals 6-5, high volume H;

Short circuit terminals 4-5, low volume L.

Isolation voltage: Input terminal to ground 3000V, 1 minute

Insulation resistance:> 100M Ω.

Anti interference capability: The product can withstand the tests specified in Chapter 5 of GB/T 17626.4-2008

Level 4 electrical fast transient burst immunity test

Applicable environment: Temperature -25~55 °C, humidity not exceeding 90% RH

Mean time between failures: not less than 50000 hours

3、 External dimensions and wiring

Dimensions: 96x96x84m Hole size: 87x87mm