







NETWORK POWER MANAGER SPECIAL FOR CABINET

DESIGNATED MODULARIZED AND MULTI-FUNCTIONAL POWER DISTRIBUTION UNIT FOR CABINET

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HI-TECH

Patented products, any fraudulently copy is strictly forbidden.

Newest product, NPM4100-A Smaller size!

Main function:

- Network remote monitoring: Total load current;
 - System operating state; Temperature/Humidity; Smog sensor; Door sensor; Water logging sensor;
- Set the limiting value to alarm: The limiting range of total load current; The limiting range of temperature and humidity;

• System automatic alarm: The total load current exceeds the limiting value;

Temperature/Humidity exceeds the limiting value; Smog; Water-logging; Door opening;

- Alarming method: The indicator on NPM controlling panel flashes and the buzzer alarms; The indicator on the Web interface flashes and the buzzer in PC alarms; Automatically send E-mail to system administrator; SNMP sends alarm information;
- Daisy-chain: Master and 9 slaves at most.
- Log record: Record and save the alarming information of NPM, check and export the alarming records;
- User management: Set user's right;
- Software system: Embedded controlling software system;
- Accessing method: Web, access through IE;

SNMP (V1/V2/V3), access to control through standard network working station; Telnet, SSH, access to control through command controlling station;

Outlet quantity: 12, 16, 20, 24;

Dimension: L: based on socket type and quantity; W: 66mm (1.5U); H: 44.4mm (1U);

Socket type:



NPM

CATALOGUE

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All Clever's NPM products are manufactured by environmental protection materials and components, accord with the regulations of European Union RoHS directive, and we had passed test of SGS.

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1. NPM Basic Introduction

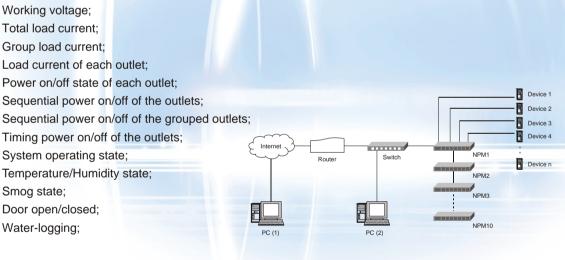
NPM:

Network Power Manager is the world-advanced new generation network power distribution and monitoring device developed and produced by CLEVER. CLEVER NPM has advanced technology, excellent performance, and powerful functions, are safe and reliable. Through LAN or WAN, the governor can monitor, control and manage the power of many equipments in the cabinet of the data room located all over the world.

CLEVER NPM contains 8 series: NPM2000, 3000, 3100, 4000, 4100, 5000, 5100 and PCDS. CLEVER NPM are widely applied to 19" standard and nonstandard server cabinet or network cabinet. They can be horizontally or vertically installed.

NPM2000, 3000, 3100 series are applied to 482.6mm (19") cabinet, horizontally installed. NPM4000, 4100, 5000, 5100 series are applied to 482.6mm (19"), vertically installed. Based on the technical performance, CLEVER NPM has A, B, C and D four levels which can meet the requirement of different environment and customers.

Through internet, CLEVER NPM can remotely monitor, control and manage:







NPM

CLEVER NPM also has the following special functions:

- 1. Current consumption measurement: automatically record the current consumption in unit time;
- 2. Keep the original state: make sure the original state of each outlet is kept when reset;
- 3. User-defined alarm;
- 4. System automatic alarm when;
- 5. Daisy chain function;
- 6. Log record;
- 7. User management;

Alarming methods of CLEVER NPM:

The indicator on NPM controlling panel flashes and the buzzer alarms; The indicator on the Web interface flashes and the buzzer in PC alarms; Automatically sent E-mail to system administrator; SNMP sends alarm information;



Software system of CLEVER NPM:

- 1. Embedded controlling software system (NPM3100, NPM4100, NPM5100, PCDS) is multi-user operating system which support software update;
- Windows desktop controlling software system (NPM2000, NPM3000, NPM4000, NPM5000) is single user operating system;

CLEVER NPM:

Multi-standard sockets, can meet the choice of customers from all over the world; Widely applied to the power voltage as 110VAC, 220VAC, 380VAC; The timing turn on/off and current consumption measurement are environment-friendly and energy-saving.

2. NPM Part Number Explanation





N: NPM

- A: function category
- 3: product series
- 1: product type

2: additional function 1: load current code 08: outlet quantity C: socket standard 1: system version

3. NPM3100 Basic Introduction



Software system:

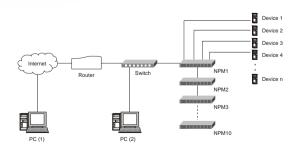
Embedded controlling software system is multi-user operating system which support software update, can access by: Web, through IE;

SNPM (V1/V2/V3), through standard network working station;

Telnet, SSH, through command-line console;



chart of anti-fall device



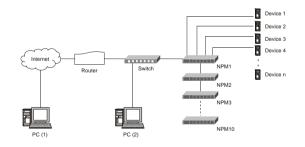
NPM3100 Technical Performance Form

		Pro	oduct cla	assificat	ion		
Main function	Technical instruction	Mor	nitor	Cor	ntrol		
		Α	в	С	D		
	Total load current	•	•	•	•		
	Load current of each outlet		•		•		
Monitoring	On/Off state of each outlet		•	•	•		
	System operating state	•	•	•	•		
	Temperature/Humidity	•	•	•	•		
	Smog sensor	•	•	•	•		
	Door sensor	•	•	•	•		
	Water logging sensor	•	•	•	•		
	On/Off of each outlet			•	•		
Controlling	Set the interval time of outlets' sequential on/off			•	•		
	Set the on/off time of each outlet			•	•		
Keep the original state	Keep the original state of each outlet when reset						
	The limiting range of total load current	•	•	•	•		
Set the limiting value to alarm	The limiting range of the load current of each outlet		•		•		
	The limiting range of temperature and humidity	•	•	•	•		
	The total load current exceeds the limiting value	•	•	•	•		
	The load current of individual outlet exceeds the limiting value		•		•		
	Temperature/Humidity exceeds the limiting value	•	•	•	•		
System automatic alarm	Individual outlet goes wrong		•	•	•		
	Smog	•	•	•	•		
	Water-logging	•	•	•	•		
	Door opening	•	•	•	•		
	The indicator on NPM controlling panel flashes and the buzzer	alarms					
Alarming method	The indicator on the Web interface flashes and the buzzer in PO	C alarms	6				
Alaming method	Automatically send E-mail to system administrator						
	SNMP sends alarm information						
Current consumption measurement	Automatically record the current consumption in unit time						
Daisy-chain	Daisy-chain 10pcs NPM at most by radial link method						
Log record	Record and save the alarming information of NPM, check and e	export th	e alarmiı	ng record	ls		
User management	Set user's right						
Software system	Embedded controlling software system(multi-user operating, su	ipport sc	oftware u	pdate)			
	Web, access through IE						
Accessing method	SNMP (V1/V2/V3), access to control through standard network	working	station				
	Telnet, SSH, access to control through command controlling sta	ation					

Input/Outlet Characteristics

Main function	Item	Parameter
	Rated input voltage	110/220VAC 50/60 Hz
Input observatoriatio	Input standard	IEC60309 industrial plug/IP44
Input characteristic	Cable length	3M
	Max load current	32A
Outlet characteristic	Outlet socket standard	IEC320 C13 IEC320 C19
	Outlet quantity	8 40 (fact 0, back 4)
	On/Off state of each outlet	12 (front 8, back 4)
		LED displays
	Rated outlet voltage	110/220VAC
	Max total load current	32A
	Temperature/Humidity sensor port	3
	Smog sensor port	1
Sensor port	Water logging sensor port	1
	Door sensor port	2
	Spare sensor port	1
Mounting method	Horizontal	Occupying 1U rack space
Case color	Color	Black

IEC320 C13 sockets of NPM3100 has two forms: socket with anti-fall device and without anti-fall device.





3.1 Basic introduction of NPM3100 A series



Product code	Fro	nt	Bac	:k	Load current	Cable length	
Froduct code	Socket standard	Outlet quantity	Socket standard	Outlet quantity	(A)		
NA311C0812	IEC320 C13	8	NO	0	16	ЗM	
NA311E0812	IEC320 C19	4	IEC320 C19	4	16	ЗM	
NA311M0812	NEMA 5-15R	8	NO	0	16	ЗM	
NA311N0812	NEMA 5-20R	8	NO	0	16	ЗM	
NA311H1212	IEC320 C13	8	IEC320 C19	4	16	ЗM	
NA311H1212	NEMA 5-15R	8	NEMA 5-20R	4	16	ЗM	
NA311H1212	NEMA 5-20R	8	NEMA 5-15R	4	16	3M	

NPM3100 series: 1. IEC320 C13 sockets have two forms:socket with anti-fall device and without anti-fall device.

2. Load current has 16A and 32A.

3.2 Basic introduction of NPM3100 B series

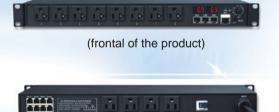


NB311C0812

Main functions of NPM3100 B series:

- 1. Remotely monitoring:
 - Total load current Load current of each outlet Power on/off state of each outlet System operating state T/H, smog, door openning and water-logging state
- 2. Set the limiting value to alarm Limiting range of total load current Limiting range of the load current of each outlet Limiting range of T/H
- 3. System automatic alarm when the limiting range is exceeded
- 4. Current consumption measurement (optional)
- 5. Embedded controlling software system (multi-user operation, support software update)





(back of the product)

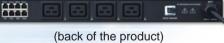
Product model example

Product code	Fro	nt	Bac	:k	Load current	Cable length
Product code	Socket standard	Outlet quantity	Socket standard	Outlet quantity	(A)	Cable length
NB311C0812	IEC320 C13	8	NO	0	16	ЗM
NB311E0812	IEC320 C19	4	IEC320 C19	4	16	ЗM
NB311M0812	NEMA 5-15R	8	NO	0	16	ЗM
NB311N0812	NEMA 5-20R	8	NO	0	16	ЗM
NB311H1212	IEC320 C13	8	IEC320 C19	4	16	ЗM
NB311H1212	NEMA 5-15R	8	NEMA 5-20R	4	16	ЗM
NB311H1212	NEMA 5-20R	8	NEMA 5-15R	4	16	ЗM

NPM3100 series: 1. IEC320 C13 sockets have two forms:socket with anti-fall device and without anti-fall device. 2. Load current has 16A and 32A.

3.3 Basic introduction of NPM3100 C series





Product model example

Product code	Fro	nt	Bac	:k	Load current	Cable length	
Product code	Socket standard	Outlet quantity	Socket standard	Outlet quantity	(A)		
NC311C0812	IEC320 C13	8	NO	0	16	ЗM	
NC311E0812	IEC320 C19	4	IEC320 C19	4	16	ЗM	
NC311M0812	NEMA 5-15R	8	NO	0	16	ЗM	
NC311N0812	NEMA 5-20R	8	NO	0	16	ЗM	
NC311H1212	IEC320 C13	8	IEC320 C19	4	16	ЗM	
NC311H1212	NEMA 5-15R	8	NEMA 5-20R	4	16	ЗM	
NC311H1212	NEMA 5-20R	8	NEMA 5-15R	4	16	3M	

NPM3100 series: 1. IEC320 C13 sockets have two forms:socket with anti-fall device and without anti-fall device.

2. Load current has 16A and 32A.

3.4 Basic introduction of NPM3100 D series



Product model example

	Fro	nt	Bac			
Product code	Socket standard	Outlet quantity	Socket standard	Outlet quantity	(A)	Cable length
ND311C0812	IEC320 C13	8	NO	0	16	ЗM
ND311E0812	IEC320 C19	4	IEC320 C19	4	16	3M
ND311M0812	NEMA 5-15R	8	NO	0	16	3M
ND311N0812	NEMA 5-20R	8	NO	0	16	3M
ND311H1212	IEC320 C13	8	IEC320 C19	4	16	ЗM
ND311H1212	NEMA 5-15R	8	NEMA 5-20R	4	16	3M
ND311H1212	NEMA 5-20R	8	NEMA 5-15R	4	16	3M

NPM3100 series: 1. IEC320 C13 sockets have two forms:socket with anti-fall device and without anti-fall device.

2. Load current has 16A and 32A.

4. NPM4100/5100 Basic Introduction

Main Characteristics of NPM4100/5100

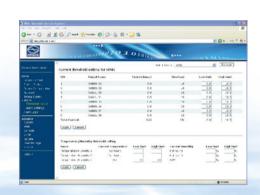
Remotely monitoring, controlling and managing function:

Current consumption measurement;

Keep the original state;

Set the limiting value to alar; System automatic alarm; Daisy-chain; Log record;

User management;



Alarming Methods of CLEVER NPM:

The indicator on NPM controlling panel flashes and the buzzer alarms; The indicator on the Web interface flashes and the buzzer in PC alarms; Automatically send E-mail to system administrator; SNMP send alarming information;

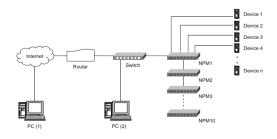
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Software system:

Embedded controlling software system is multi-user operating system which support software update, can access by:

Web, through IE;

SNPM (V1/V2/V3), through standard network working station; Telnet, SSH, through command-line console;



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		Pro	oduct cl	assificat	ion		
Main function	Technical instruction	Мог	nitor	Cor	ntrol		
		Α	В	С	D		
	Total load current	•	•	•	•		
	Load current of each outlet		•		•		
Monitoring	On/Off state of each outlet		•	•	•		
	System operating state	•	•	•	•		
	Temperature/Humidity	•	•	•	•		
	Smog sensor	•	•	•	•		
	Door sensor	•	•	•	•		
	Water logging sensor	•	•	•	•		
	On/Off of each outlet			•	•		
Controlling	Set the interval time of outlets' sequential on/off			•	•		
	Set the on/off time of each outlet			•	•		
Keep the original state	Keep the original state of each outlet when reset		•	•			
	The limiting range of total load current	•	•	•	•		
Set the limiting value to alarm	The limiting range of the load current of each outlet		•		•		
_	The limiting range of temperature and humidity	•	•	•	•		
	The total load current exceeds the limiting value	•	•	•	•		
	The load current of individual outlet exceeds the limiting value		•		•		
	Temperature/Humidity exceeds the limiting value	•	•	•	•		
System automatic alarm	individual outlet goes wrong		•	•	•		
	Smog	•	•	•	•		
	Water-logging	•	•	•	•		
	Door opening	•	•	•	•		
	The indicator on NPM controlling panel flashes and the buzzer	alarms					
	The indicator on the Web interface flashes and the buzzer in PO	C alarms	3				
Alarming method	Automatically send E-mail to system administrator						
	SNMP sends alarm information						
Current consumption measurement	Automatically record the current consumption in unit time						
Daisy-chain	Daisy-chain 10pcs NPM at most by radial link method						
Log record	Record and save the alarming information of NPM, check and e	export th	e alarmii	ng record	ls		
User management	Set user's right						
Software system	Embedded controlling software system(multi-user operating, su	ipport sc	oftware u	pdate)			
	Web, access through IE						
Accessing method	SNMP (V1/V2/V3), access to control through standard network	working	station				
	Telnet, SSH, access to control through command controlling sta	ation					

The current consumption measurement function of NPM4100/5100 is optional.

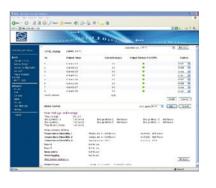
NPM

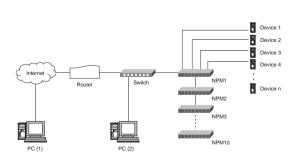


Input/Outlet Characteristics

		Para	meter
Main function	Item	NPM4100	NPM5100
	Rated input voltage	110/220VAC 50/60 Hz	380VAC 50/60 Hz
Input characteristic	Input standard	IEC60309 indu	strial plug/IP44
input characteristic	Cable length	3	M
	Max load current	32A	3×32A
Outlet characteristic	Outlet socket standard		IEC320 C19 IEC320 C19 NEMA 5-20R
	Outlet quantity	12, 16, 20, 24	12, 24
	On/Off state of each outlet	LED d	isplays
	Rated outlet voltage	110/220VAC	220VAC
	Max total load current	32A	3×32A
	Temperature/Humidity sensor port		3
	Smog sensor port		1
Sensor port	Water logging sensor port		1
	Door sensor port		2
	Spare sensor port		1
Mounting method	Vertical	Occupying 0	U rack space
Case color	Color	Bla	ack

All IEC320 C13 sockets of NPM4100/5100 series have CLEVER anti-fall device.





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4.1 Basic introduction of NPM4100/5100 A series



Product code	Socket standard	Outlet quantity (way)	Load current (A)	Cable specification
NA411C1211	IEC320 C13	12	16	3M
NA411H1611	IEC320 C13 / C19	16	16	3M
NA412M2013	NEMA 5-15R	20	16	3M
NA412H2013	NEMA 5-15 / 5-20R	20	16	3M
NA414F2413	NF C61-314	24	16	3M
NA512D1243	DIN49440	12	3×32	3M
NA514B2443	BS1363	24	3×32	3M

NPM4100/5100 series: 1. The current consumption measurement function of NPM4100/5100 is optional. 2. All IEC320 C13 sockets have CLEVER anti-fall device.

NPM4100 has 16A and 32A load current; NPM5100 has 3×16A and 3×32A load current.

4.2 Basic introduction of NPM4100/5100 B series

Main functions of NPM4100/5100 B series:

- 1. Remotely monitoring:
 - Total load current
 - Load current of each outlet
 - Power on/off state of each outlet
 - System operating state
 - T/H, smog, door openning and water-logging state
- 2. Set the limiting value to alarm Limiting range of total load current Limiting range of the load current of each outlet Limiting range of T/H
- 3. System automatic alarm when the limiting range is exceeded
- 4. Current consumption measurement (optional)
- 5. Embedded controlling software system (multi-user operation, support software update)



Product model example

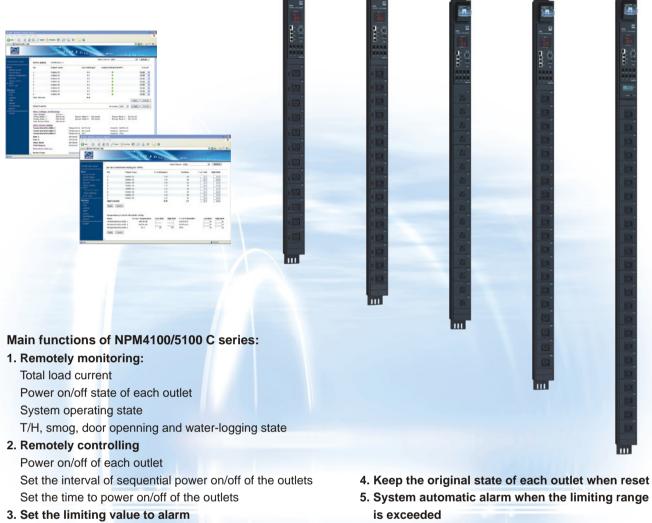
Product code	Socket standard	Outlet quantity (way)	Load current (A)	Cable specification
NB411C1212	IEC320 C13	12	16	3M
NB411H1612	IEC320 C13 / C19	16	16	3M
NB412M2013	NEMA 5-15R	20	16	3M
NB412H2013	NEMA 5-15 / 5-20R	20	16	3M
NB414F2413	NF C61-314	24	16	3M
NB512D1243	DIN49440	12	3×32	3M
NB514B2443	BS1363	24	3×32	3M

NPM4100/5100 series: 1. The current consumption measurement function of NPM4100/5100 is optional.

2. All IEC320 C13 sockets have CLEVER anti-fall device.

NPM4100 has 16A and 32A load current; NPM5100 has $3\times$ 16A and $3\times$ 32A load current.

4.3 Basic introduction of NPM4100/5100 C series



- 6. Current consumption measurement (optional)
- 7. Embedded controlling software system

Product model example

Limiting range of T/H

Limiting range of total load current

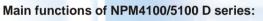
Product code	Socket standard	Outlet quantity (way)	Load current (A)	Cable specification
NC411C1212	IEC320 C13	12	16	3M
NC411H1612	IEC320 C13 / C19	16	16	3M
NC412M2013	NEMA 5-15R	20	16	3M
NC412H2013	NEMA 5-15 / 5-20R	20	16	3M
NC414F2413	NF C61-314	24	16	3M
NC512D1243	DIN49440	12	3×32	3M
NC514B2443	BS1363	24	3×32	3M

NPM4100/5100 series: 1. The current consumption measurement function of NPM4100/5100 is optional. 2. All IEC320 C13 sockets have CLEVER anti-fall device.

NPM4100 has 16A and 32A load current; NPM5100 has 3×16A and 3×32A load current.

NPM

4.4 Basic introduction of NPM4100/5100 D series



1. Remotely monitoring Total load current Load current of each outlet Power on/off state of each outlet System operating state T/H, smog, door openning and water-logging state

Product model example



2. Remotely controlling

Power on/off of each outlet Set the interval of sequential power on/off of the outlets Set the time to power on/off of the outlets

- 3. Set the limiting value to alarm Limiting range of total load current Limiting range of the load current of each outlet Limiting range of T/H
- 4. Keep the original state of each outlet when reset
- 5. System automatic alarm when the limiting range is exceeded
- 6. Current consumption measurement (optional)
- 7. Embedded controlling software system (multi-user operation, support software update)

Product code	Socket standard	Outlet quantity (way)	Load current (A)	Cable specification
ND411C1212	IEC320 C13	12	16	3M
ND411H1612	IEC320 C13 / C19	16	16	ЗM
ND412M2013	NEMA 5-15R	20	16	3M
ND412H2013	NEMA 5-15 / 5-20R	20	16	ЗM
ND414F2413	NF C61-314	24	16	ЗM
ND512D1243	DIN49440	12	3×32	ЗM
ND514B2443	BS1363	24	3×32	ЗM

NPM4100/5100 series: 1. The current consumption measurement function of NPM4100/5100 is optional.

2. All IEC320 C13 sockets have CLEVER anti-fall device.

NPM4100 has 16A and 32A load current; NPM5100 has $3\times$ 16A and $3\times$ 32A load current. The detailed product model list please contact Clever sales department or local distributor.

5. NPM2000 Basic Introduction



Main Characteristics of NPM2000

Remotely monitoring, controlling and managing function: Keep the original state; Daisy-chain; User-defined management;

Software System:

In WINDOWS system (single user operating system), the software system needs to stall and access by: RS232; TCP/IP;

8 Device 1 R Device 2 Device 3 B Device 4 Interne Router Switch Device n M2 NPM3 NPM10



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NPM2000 Technical Performance Form

Main functions	Technical instruction
Monitoring function	On/Off state of each outlet
Monitoring function	System operating state
	On/Off of each outlet
Controlling function	Set the interval time of outlets' sequential on/off
	Set the on/off time of each outlet
Keep the original state	Keep the original state of each outlet when reset
Daisy-chain	Daisy-chain 10 pcs at most
User management	Set the user's right
Software system	In WINDOWS system (single user operating system)
Accessing method	By TCP/IP
Accessing method	By RS232





Input/Outlet Characteristics

Main function	Item	Parameter
	Rated input voltage	220VAC 50/60 Hz
Input characteristic	Input standard	IEC60309 industrial plug/IP44
	Cable length	3M
	Max load current	16A
	Outlet socket standard	IEC320 C13
Outlet characteristic	Outlet quantity	8
	On/Off state of each outlet	LED displays
	Rated outlet voltage	220VAC
	Max total load current	16A
Mounting method	Horizontal	Occupying 2U rack space
Case color	Color	Black
	COM9M/W-W2 connecting line	2M
	RJ45/RJ45-M2 connecting line	2M
Fitting	COM9M1/W2-W2Y connecting line	2M
	NPM2000 driver	CD (one piece)
	Instruction	one set
Optional fitting	COM9 connecting line	

6. NPM3000 Basic Introduction



Main Characteristics of NPM3000

Remotely monitoring, controlling and managing function:

Keep the original state; Set the limiting value to alarm; System automatic alarm; Daisy-chain; Record the alarm; User management;

Alarming Methods of CLEVER NPM:

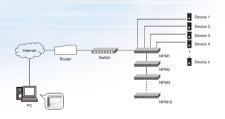
The indicator on NPM controlling panel flashes and the buzzer alarms; The indicator on the Web interface flashes and the buzzer alarms; Automatically send E-mail to system administrator;

Software system:

Windows desktop controlling software system is single user operating system which need install and access by: RS232; TCP/IP;



MPM



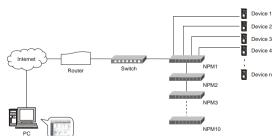


NPM3000 Technical Performance Form

		Produ	Product classification			
Main function	Technical instruction	Monitor	Со	ntrol		
			С	D		
	Total load current	•	•	•		
	Load current of each outlet			•		
Monitoring	On/Off state of each outlet		•	•		
	System operating state • Temperature/Humidity •		•	•		
	Temperature/Humidity	•	•	•		
	On/Off of each outlet		•	•		
Controlling	Set the interval time of outlets' sequential on/off		•	•		
	Set the on/off time of each outlet		•	•		
Keep the original state	Keep the original state of each outlet when reset		•	•		
	The limiting range of total load current	•	•	•		
Set the limiting value to alarm	The limiting range of the load current of each outlet			•		
	The limiting range of temperature and humidity	•	•	•		
	The total load current exceeds the limiting value	•	•	•		
	The load current of individual outlet exceeds the limiting value			•		
System automatic alarm	Temperature/Humidity exceeds the limiting value	•	•	•		
	System goes wrong	•	•	•		
	The indicator on NPM controlling panel flashes and the buzzer al	arms				
Alarming method	The indicator on the PC interface flashes and the buzzer alarms					
	Automatically send E-mail to system administrator					
Daisy-chain	Daisy-chain 10 pcs at most					
Log record	Alarming record can be queried					
User management	Set use's right					
Software system	In WINDOWS system (single user operating system)					
	By TCP/IP					
Accessing method	By RS232					



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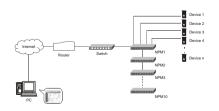


Input/Outlet Characteristics

Main function	Item	Parameter
	Rated input voltage	110/220VAC 50/60 Hz
Input characteristic	Input standard	IEC60309 industrial plug/IP44
	Cable length	3M
	Max load current	32A
Outlet characteristic	Outlet socket standard	IEC320 C13
Outlet characteristic	Outlet quantity	8
	On/Off state of each outlet	LED displays
	Rated outlet voltage	110/220VAC
	Max total load current	32A
Sensor port	Temperature/Humidity sensor port	1
Mounting method	Horizontal	Occupying 1U rack space
Case color	Color	Black
	COM9/RJ45-G2 connecting line	2M
Fitting	RJ45/RJ45-M2 connecting line	2M
Fitting	Driver	CD (one piece)
	Instruction	one set
Ontional fitting	Sensor	Temperature/Humidity sensor
Optional fitting	COM9/RJ45-B2 connecting line	2M



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6.1 Basic introduction of NPM3000 A series



NA300C0812

Main functions of NPM3000 A series:

- 1. Remotely monitoring Total load current System operating state T/H state
- 2. Set the limiting value to alarm Limiting range of total load current Limiting range of T/H
- 3. System automatic alarm when the limiting range is exceeded
- 4. WINDOWS desktop controlling software system
- 5. Access through TCP/IP, RS232 to control



Product model example

Product code	Socket standard	Outlet quantity (way)	Load current (A)	Cable specification
NA300C0812	IEC320 C13	8	16	3M

6.2 Basic introduction of NPM3000 C series



7. Access through TCP/IP, RS232 to control

	Basis Configuration		
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Product model example

Product code	Socket standard	Outlet quantity (way)	Load current (A)	Cable specification
NC300C0812	IEC320 C13	8	16	3M



6.3 Basic introduction of NPM3000 D series



ND300C0812

Main functions of NPM3000 D series:

1. Remotely monitoring:

Total load current Load current of each outlet Power on/off state of each outlet System operating state T/H state

2. Remotely controlling Power on/off of each outlet

Set the interval of sequential power on/off of the outlets Set the time to power on/off of the outlets

3. Set the limiting value to alarm

Limiting range of total load current Limiting range of the load current of each outlet Limiting range of T/H

- 4. Keep the original state of each outlet when reset
- 5. System automatic alarm when the limiting range is exceeded
- 6. WINDOWS desktop controlling software system
- 7. Access through TCP/IP, RS232 to control



Product model example

Product code	Socket standard	Outlet quantity (way)	Load current (A)	Cable specification
ND300C0812	IEC320 C13	8	16	3M

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7. NPM4000/5000 Basic Introduction

Main Characteristics of NPM4000/5000

Remotely monitoring, controlling and managing function: Keep the original state; Set the limiting value to alarm; System automatic alarm; Daisy-chain; Record the alarm; User management;

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Alarming Methods of CLEVER NPM:

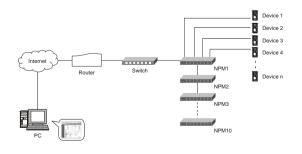
The indicator on NPM controlling panel flashes and the buzzer alarms; The indicator on the PC interface flashes and the buzzer alarms; Automatically send E-mail to system administrator;

Software system:

Windows desktop controlling software system is single user operating system which need install and access by: RS232; TCP/IP;

NPM4000/5000 Technical Performance Form

Main function		Produc	t classif	ication		
	Technical instruction	Monitor	Со	ntrol		
			С	D		
	Total load current	•	٠	•		
	Load current of each outlet			•		
	On/Off state of each outlet		•	•		
Monitoring	System operating state	•	•	•		
	Temperature/Humidity	•	•	•		
	Smog sensor	•	•	•		
	Door/water logging sensor	•	•	•		
	On/Off of each outlet		•	•		
Controlling	Set the interval time of outlets' sequential on/off		٠	•		
	Total load current Load current of each outlet On/Off state of each outlet System operating state Temperature/Humidity Smog sensor Door/water logging sensor On/Off of each outlet Set the interval time of outlets' sequential on/off Set the on/off time of each outlet p the original state Keep the original state of each outlet when reset The limiting range of total load current The limiting range of the load current of each outlet The limiting range of the load current of each outlet The limiting range of temperature and humidity The load current of individual outlet exceeds the limiting value The load current of individual outlet exceeds the limiting value The load current of individual outlet exceeds the limiting value System goes wrong Smog Water-logging/Door opening The indicator on NPM controlling panel flashes and the buzzer ala Automatically send E-mail to system administrator Daisy-chain Daisy-chain 10 pcs at most Log record Alarming record can be queried ser management Set use's right		•	•		
Keep the original state	Keep the original state of each outlet when reset		•	•		
	The limiting range of total load current	•	٠	•		
Set the limiting value to alarm	The limiting range of the load current of each outlet			•		
Monitoring Total load current Load current of each outlet Monitoring	•	•	•			
	The total load current exceeds the limiting value	•	•	•		
	The load current of individual outlet exceeds the limiting value			•		
Queles este esté esté eleme	Temperature/Humidity exceeds the limiting value	•	•	•		
System automatic alarm	System goes wrong	•	•	•		
	Smog	•	•	•		
	Water-logging/Door opening	•	•	•		
	The indicator on NPM controlling panel flashes and the buzzer alarms					
Alarming method	The indicator on the PC interface flashes and the buzzer alarms					
	Automatically send E-mail to system administrator					
Daisy-chain	Daisy-chain 10 pcs at most					
Log record	Alarming record can be queried					
User management	Set use's right					
Software system	In WINDOWS system (single user operating system)					
A	By TCP/IP					
Accessing method	By RS232					





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Input/Outlet Characteristics

Main function	ltem	Parameter		
Main function		NPM4000	NPM5000	
	Rated input voltage	110/220VAC 50/60 Hz	380VAC 50/60 Hz	
Input characteristic	Input standard	IEC60309 industrial plug/IP44		
	Cable length	3M		
	Max load current	32A	3×32A	
	Outlet socket standard	IEC320 C13	IEC320 C19	
Outlet characteristic	Outlet quantity	12, 16, 20, 24	12, 18, 24	
	On/Off state of each outlet	LED displays		
	Rated outlet voltage	110/220VAC	220VAC	
	Max total load current	32A	3×32A	
	Temperature/Humidity sensor port	1		
Sensor port	Smog sensor port	1		
	Door/water logging sensor port	1		
Mounting method	Vertical	Occupying 0l	J rack space	
Case color	Color	Bla	ck	
	COM9/RJ45-G2 connecting line	2M		
Fitting	RJ45/RJ45-M2 connecting line	2M		
T ming	Driver	CD (one piece)		
	Instruction	one set		
		Temperature/Humidity sensor		
	Sensor	smog sensor		
Optional fitting		door sensor		
		water logging sensor		
	COM9/RJ45-B2 connecting line	21	N	





7.1 Basic introduction of NPM4000/5000 A series



Product model example

Product code	Socket standard	Outlet quantity (way)	Load current (A)	Cable specification
NA400C1210	IEC320 C13	12	16	3M
NA400C2420	IEC320 C13	24	32	3M
NA400H1820	IEC320 C13/C19	18	32	3M
NA400E1220	IEC320 C19	12	32	3M
NA500C1830	IEC320 C13	18	3×16	3M
NA500H2430	IEC320 C13/C19	24	3×16	3M

7.2 Basic introduction of NPM4000/5000 C series



Product model example

Product code	Socket standard	Outlet quantity (way)	Load current (A)	Cable specification
NC400C1810	IEC320 C13	18	16	3M
NC400C2420	IEC320 C13	24	32	3M
NC400H1820	IEC320 C13/C19	18	32	3M
NC400E1220	IEC320 C19	12	32	3M
NC500C1230	IEC320 C13	12	3×16	3M
NC500H1830	IEC320 C13/C19	18	3×16	3M

7.3 Basic introduction of NPM4000/5000 D series

Main functions of NPM4000/5000 D series:

1. Remotely monitoring:

Total load current Load current of each outlet Power on/off state of each outlet System operating state T/H, smog, door openning and water-logging state

2. Remotely controlling

Power on/off of each outlet Set the interval of sequential power on/off of the outlets Set the time to power on/off of the outlets

3. Set the limiting value to alarm

Limiting range of total load current Limiting range of the load current of each outlet Limiting range of T/H

0 10% 0 10% 0 10% 0 10% 0 10% 0 10% 0 10% 84

4. Keep the original state of each outlet when reset

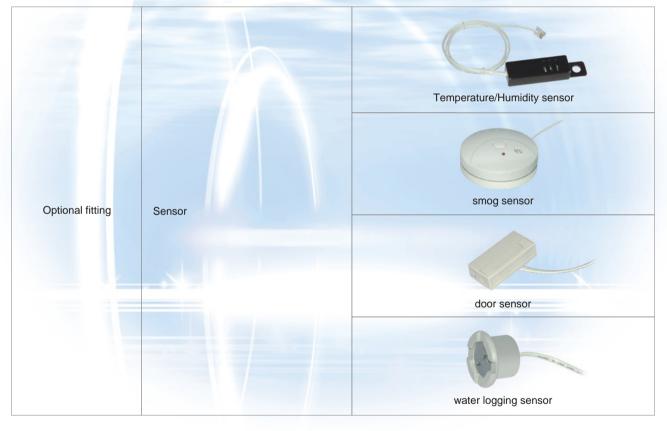
- 5. System automatic alarm when the limiting range is exceeded
- 6. WINDOWS desktop controlling software system
- 7. Access through TCP/IP, RS232 to control

Product model example

Product code	Socket standard	Outlet quantity (way)	Load current (A)	Cable specification
ND400C1810	IEC320 C13	18	16	3M
ND400H1820	IEC320 C13/C19	18	32	3M
ND400E1220	IEC320 C19	12	32	3M
ND500C1830	IEC320 C13	18	3×16	3M
ND500H2430	IEC320 C13/C19	24	3×16	3M
ND500E1830	IEC320 C19	18	3×16	3M

8. Fitting

	Mounting bracket	one set
	Network connecting line	2M
Fitting	Daisy-chain connecting line	2M
	Instruction	one set (including a CD)







specialized button fixation

current consumption meter module

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