





Guide of "NPM" Network Power Manager System

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- 4 Input / Outlet Characteristics
- 5 Main Characteristics of NPM
- 6 Alarming Method
- 7 Software System
- 8 Daisy Chain
- 9 Product Sample (Photo)
- 10 Optional Fixing

urrent User: clever	INAX-NPM01 (N	PM3100 D)		Select Device: INAX-NPM01	
a sic Device Control	No. Ou	tput Name	Current(Amps)	Output Status(ON/OFF)	Control
Sensor Status					
Device Configuration	1		0.0	•	NONE
Network Alarm	2		0.0		NONE
Alarm Threshold Value	3		0.0	•	NONE
Alarm settings	4		0.0	•	NONE
	5		0.0	•	NONE
Advance System Web	6		0.0	•	NONE
	7		0.0	•	NONE
Console	8		0.0	•	NONE
SNMP	Total Current:		0.0		
Update					Apply Cance
User Manage Restart	Global Control:			All Outlets NONE -	Apply Cance
Logout	View Voltage and Ene	ray			
	View sensor status	191			
	Temperature/Humidity 1	Temperature: Not fou	ind	Humidity: Not found	
	Temperature/Humidity 2	Temperature: Not fou		Humidity: Not found	
	Temperature/Humidity 3	Temperature: Not fou	ind	Humidity: Not found	
	Door 1	Not found			
	Door 2	Not found			
	Smog alarm	NO			
	Waterlogging	Not found			
	More sensor status >>				Refresh
	Related Page:	Device confic	uration Threshold value		

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1. Introduction

Network Power Manager (NPM) is the world-advanced new generation network power distribution and

monitoring device developed and produced by *CLEVER*.

Through LAN or WAN, the IT Administrators can MONITER, CONTROL and MANAGE the

power of many equipments anyplace anytime.

With the wide range of combination, NPM can deliver more control, reliable power and

flexibility to nowaday equipment use.

CLEVER products are found in full compliance with the newly-published criteria both at home and abroad, and are awarded a safety certificate by internationally known bodies and 3C certificated by Chinese Authority, and have got national invention patents. Clever is the sole designated supplier of relevant products by Xichang Satellite Emission Base. She is ISO9001:2000 certified, and awarded a title of Good Quality Supplier, User Friendly Company, Outstanding Standardization Unit and others equivalent. She is amount the standard makers of GB2099.3-1997, a domestic national standard for socket/switch supply.





Installation Method :

NPM are widely applied to 19" Standard and nonstandard server cabinet or network equipment cabinet. In different of Series, NPM can also be horizontally or vertically installed.

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NPM3100D Series is applied to 19" cabinet (rack-mount horizontally installed)

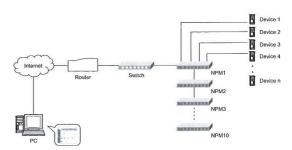
NPM4100D / NPM 5100D Series is applied to Vertically installed only

NPM3100D Series

Control :

Via Browser, NPM can remotely monitor control and manage the following :

- working voltage
- TOTAL load current
- Group load current
- Load current of each outlet
- Power on/off state of each outlet
- Sequential power on/off of the outlets
- Sequential power on/off of the grouped outlets
- Timing power on/off of the outlets
- System operating state
- Temperature / Humidity state (optional)
- Smog state (optional)
- Door open / closed state (optional)
- Water-logging state (optional)





Series

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INAX – Clever - NPM Network Power Manger System **INSTRUCTION GUIDE**

2. Features :

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	360	

Main Function	Technical Instruction
	Total Load Current
	Load current of each outlet
	On/Off state of each outlet
	System Operating state
Monitoring	Server 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
5	Set the On/Off time of each outlet
Keep the Original State	Keep the Orginial 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 failure
System Automatic Alarm	Individual outlet failure
-,	Server Halt
	Smog *
	Water-logging *
	Door Open *
	The indicator on NPM controlling panel flashes and the buzzer alarms
	The indicator on the Browser interface flashes and the buzzer in PC
Alarming Method	alarms
·	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 10 sets NPM at most by radial link method
	Record and save the operating information of NPM, provide the query and
Log Record	Outlet of records
User Management	Set user's Right
Turn off in safe mode	Remotely soft turn off
	Embedded controlling software system (multi-user operating, support
Software system	software update)
Accessing Method	Web access through Browser (IE)
5	SNMP (V1/V2C/V3), access to control through standard network working
	Station
	Telnet, SSH, access to control through command controlling station

* optional applied with different type of sensor (ie. Temperature / Humidity sensor, Smog sensor, Door sensor, Water logging senor)



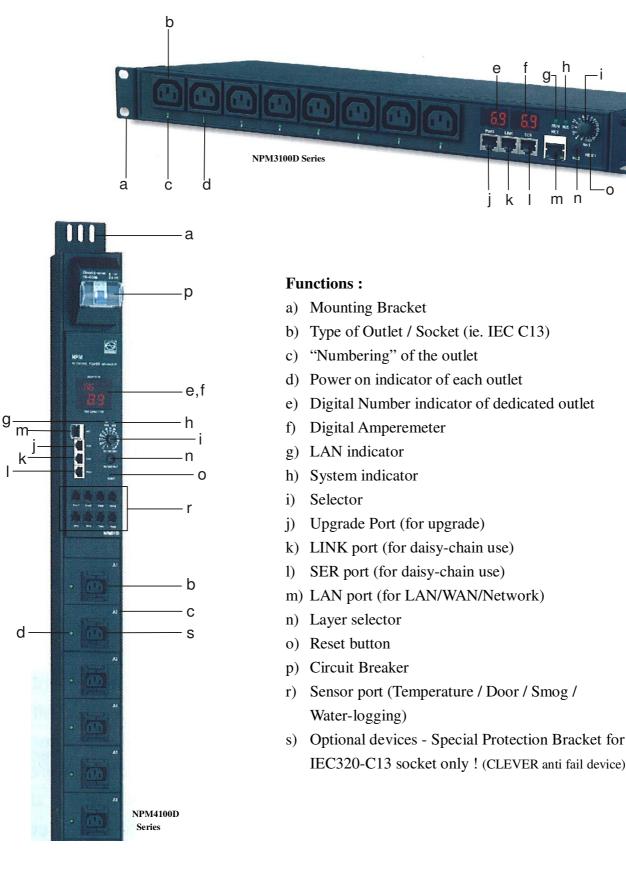
计计计计计 NPM3100D Series

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3. Functions



4. Input / Outlet Characteristics

Main Function	Description	Parameter		
	Rated Input Voltage	110/220VAC 50/60 Hz		
Innut Characteristic	Input Standard	IEC60309 Industrial plug / IP44		
Input Characteristic	Cable Length	Std. 3M (others upon request)		
	Max. Load current	32A		
		IEC320 C13 IEC320 C19		
	Outlet Socket Standard			
Outlet Characteristic		BS1363		
Outlet Gharactensuic		Image: NEMA 5-15R Image: NEMA 5-20R		
	Outlet Quantity	4, 8, 12, 16, 20, 24		
	On/Off State of each outlet	LED displays		
	Rated Outlet Voltage	110/220VAC		
	Max. Total Load Current	32A		
	Temperature / Humidity Sensor Port	3		
Sensor Port	Smog Sensor Port	1		
	Water logging Sensor Port	1		
	Door Sensor Port	2		
	Horizontal	NPM3100D Series		
Mounting Method	Vertical	NPM4100D / NPM5100D Series		
Case Color	Color	Black		

5. Main Characteristics of NPM

Remotely Monitoring, Controlling and Managing Function :

- Current consumption measurement
- Turning On / Off for individual outlet or All outlet
- Keep the original state
- Set the limiting value to alarm
- System automatic alarm
- Daisy-Chain
- Log Record
- User Management
- Turn off in safe mode

INAX-NPM01	(NPM3100 D)			Select Device: INAX-NPM01	•	Refre	sh
- status	(NPM3100 D)						
No.	Output Name	(Current(Amps)	Output Status(ON/OFF)		Cont	rol
1			0.0	•	[NONE	
2			0.0	•		NONE	
3			0.0	•		NONE	2
4			0.0	•		NONE	
5			0.0	•		NONE	
6			0.0	•		NONE	
7			0.0	•		NONE	
8			0.0	•		NONE	
Total Current:			0.0				
					Apply	Can	ice
						-	_
Global Control:				All Outlets NONE -	Apply	Car	ice
View Voltage a	nd Energy						
View sensor sta							
Temperature/Humi		emperature: Not found		Humidity: Not found			
Temperature/Humi	dity 2	Cemperature: Not found		Humidity: Not found			
Temperature/Humi	dity 3	emperature: Not found		Humidity: Not found			
Door 1		Not found					
Door 2		Not found					
Smog alarm		10					
Waterlogging		Not found					
More sensor status	<u> >></u>					Refre	sh
Related Page:		Device configuration	n Threshold value				

er: clever	Current threshold setting	ng for INAX-NPM01Apply					
	NO. Out	put Name	Curent(Amp	os)	Overload	Low limit	High limit
ntrol atus	1			D.O	10	0.0	10.0
nfiguration	2			D.O	10	0.0	10.0
	3			D.O	10	0.0	10.0
	4			D.O	10	0.0	10.0
ld Value	5			D.O	10	0.0	10.0
ettings	6			D.O	10	0.0	10.0
	7			0.0	10	0.0	10.0
	8			0.0	10	0.0	10.0
	Total Current:		C	.0	16	0.0	16.0
	Apply Cancel						
age							
	Temperature/Humidity th	reshold setting					
	Name	Current Temperature	Low limit	High limit	Current Humidity	Low limit	High limit
	Temperature/Humidity 1	Not found	0	40	Not found	0 %	99 9
	Temperature/Humidity 2	Not found	0	40	Not found	0 %	99 %
	Temperature/Humidity 3	Not found	0	40	Not found	0 %	99 %

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6. Alarming Methods

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

	•••• ••••	D 1 O 101010.	4
Current User: clever	Alarm settings		
Basic	Warning Items		
Device Control	Enabled Sound Prompt		
Sensor Status	Enabled E-mail Prompt		
Device Configuration	SMTP Sever:		
Network	SMTP User:		
✓ Alarm	Password:		
Threshold Value	1 455 101 41		
Alarm settings	Receiver Email Adress:		*
Advance			-
System			
Web	Send Information:		*
Console	Send Information:		
SNMP			
Update			+
User Manage	SNMP Traps		
Restart			
Logout	Apply Reset		
	Арри		
		75010	

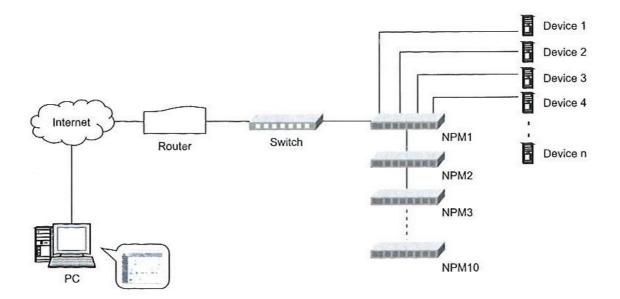
SNMP Agent:EnabledGET Community:publicSET Community:privateTRAP Community:publicError Trap Repeat Time:60 seconTrap Destination 1:0.35.197.244Trap Destination 2:0.0.0SNMP Contact:No ContactSNMP System Name:Clever NPMSNMP Location:No Location	
SNMP System Name: Clever NPM	trol tus figuration d Value tings



7. Software System

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

- Web Browser (ie. IE, firefox....)
- SNPM (V1/V2C/V3), through standard network working station
- Telnet, SSH, through command-line console.



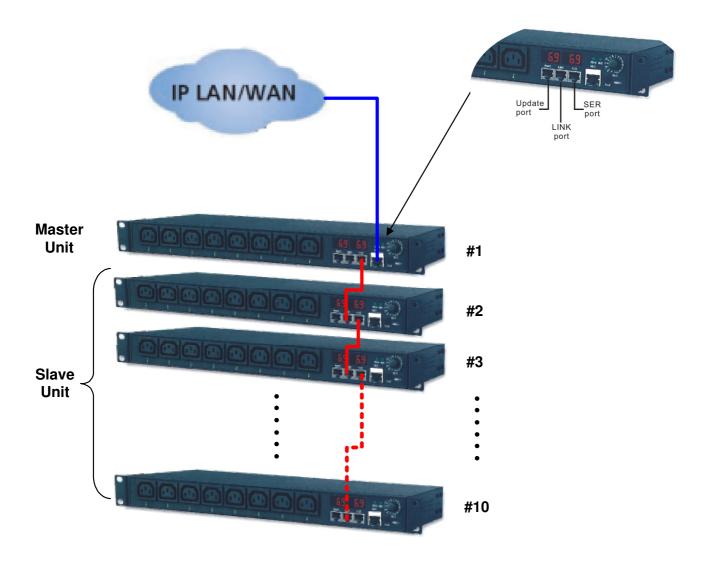
連線到 192.168.1.16	3 ? X
	G EA
稱及密碼。	的伺服器 192.168.1.163 需要使用者名 您的使用者名稱及密碼以不安全的方 不含安全連線)。
使用者名稱(U):	
密碼(<u>P</u>):	記憶我的密碼(R)
	確定取消



8. Daisy Chain

Different from others intelligent Power Distribution Unit, NPM has a special feature that allow single IP to control up to **10 SETS** of NPM without adding any soft / hardware. That would save the use of IP and cost for managing a group of Power Distribution Units.

GLEVER	1010101	0010101010 I O I	LO ₁₀₁₀₁₀		101000		
urrent User: clever	INAX-NPM01 status	(NPM3100 D)			INAX-NPM01 NPM2 NPM3	Refres	sh
a sic Device Control	No.	Output Name	Current(Amps)	Output Status((Contr	rol
Sensor Status Device Configuration	1		0.0	•	NPM7 NPM8	NONE	•
letwork	2		0.0		NPM9 NPM10	NONE	•
Jarm	3		0.0	•		NONE	-
Threshold Value	4		0.0	•		NONE	-
Alarm settings	5		0.0	•		NONE	-
vance	6		0.0	•		NONE	-





9. Product Samples (photos)



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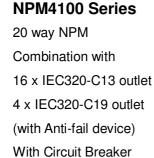


NPM4100 Series

12 way NPM 12 x IEC320-C19 outlet

NPM4100 Series

16 way NPM 16 x BS1363 outlet With circuit breaker





8 x IEC320-C13 outlet

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10. Optional Fitting

Description	Product
Temperature / Humidity Sensor	
Smog Sensor (Smoke Sensor)	. "
Door Sensor	
Water logging Sensor	
Current Consumption Meter Module	SINGLE PHASE DIGITAL AMMETER
Specialized Button Fixation	