

VTS PM

1.0.1

2004-12-01

Revision	Date	Name	Description
V1.0.0	2004-10-14	J.S. Kim	First Release Version
V1.0.1	2004-12-01	Kumar	Updates in the package checklist in this manual

VTS PM

1.0.1

1.0.0

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가

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1.

1.1

VTS PM AC

VTS PM

VTS

가 가

VTS PM (: Standalone Mode)

VTS PM .(:

Cascading Mode)

VTS PM 16

가

VTS PM

VTS PM

- VTS PM
- ON/OFF
- Reboot
- Recycle
- VTS PM Restart
- VTS PM Reset
- VTS PM password

VTS PM

VTS PM8H	8	16A	10A	1U
VTS PM10V	10	16A	10A	0U

Circuit Break가

VTS PM

가

LCD

2

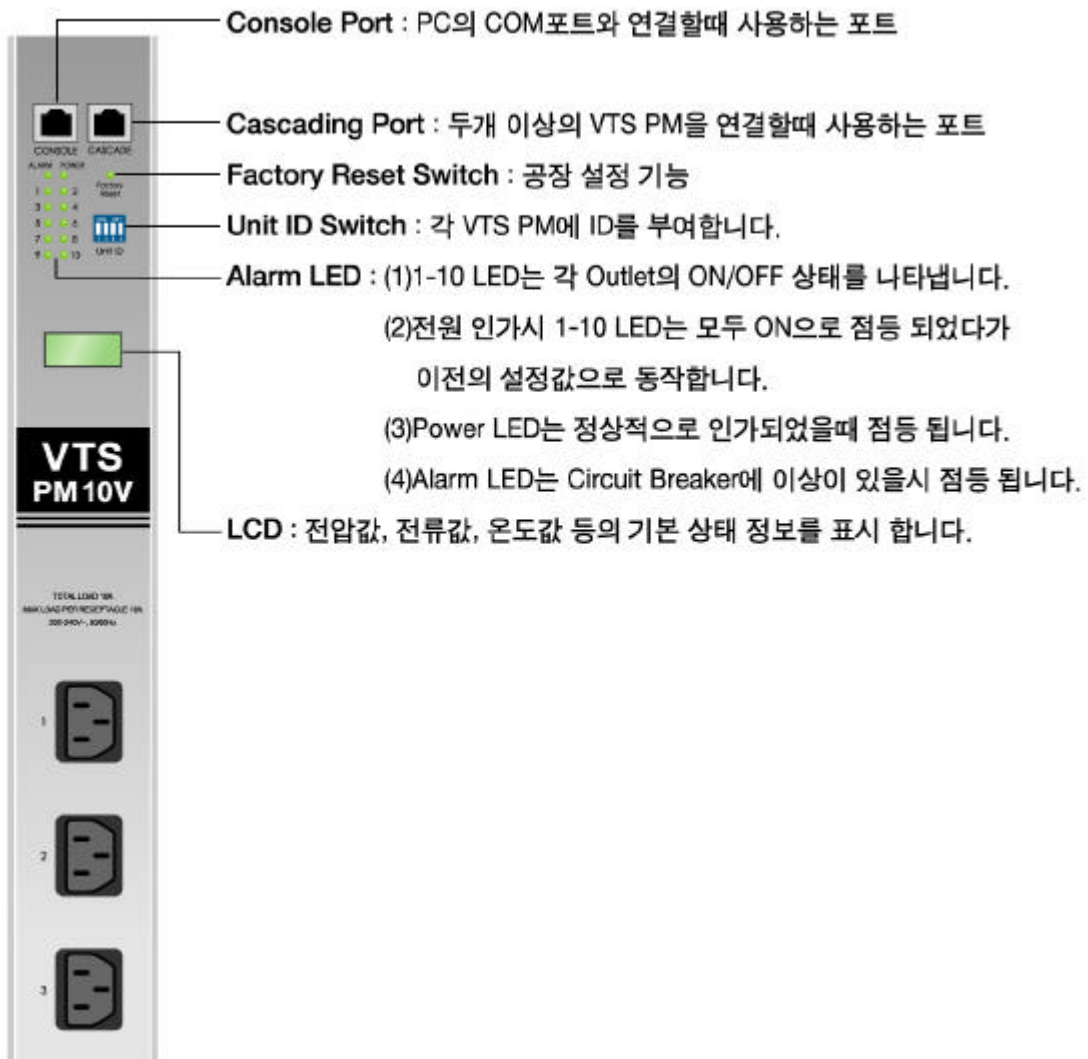
1-1

1-2

VTS PM



1-1 VTS PM8H



1-2 VTS PM10V

1.2

VTS PM

- VTS PM
-
- CAT5
- RJ45-DB9 Female
- CD-ROM
-
-

2.

2.1 (Standalone Mode)

2.1.1

VTS PM

(1)VTS PM Unit ID Switch 0

: Unit ID “ 3 : Unit ID Switch ”

(2) Console PC COM

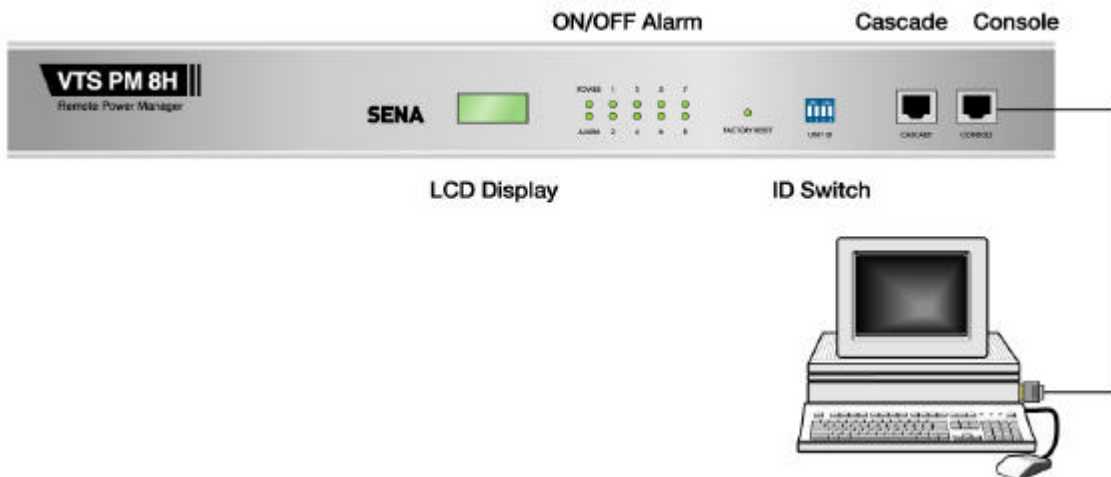
(3) AC Input 220V(110V) 가

2-1

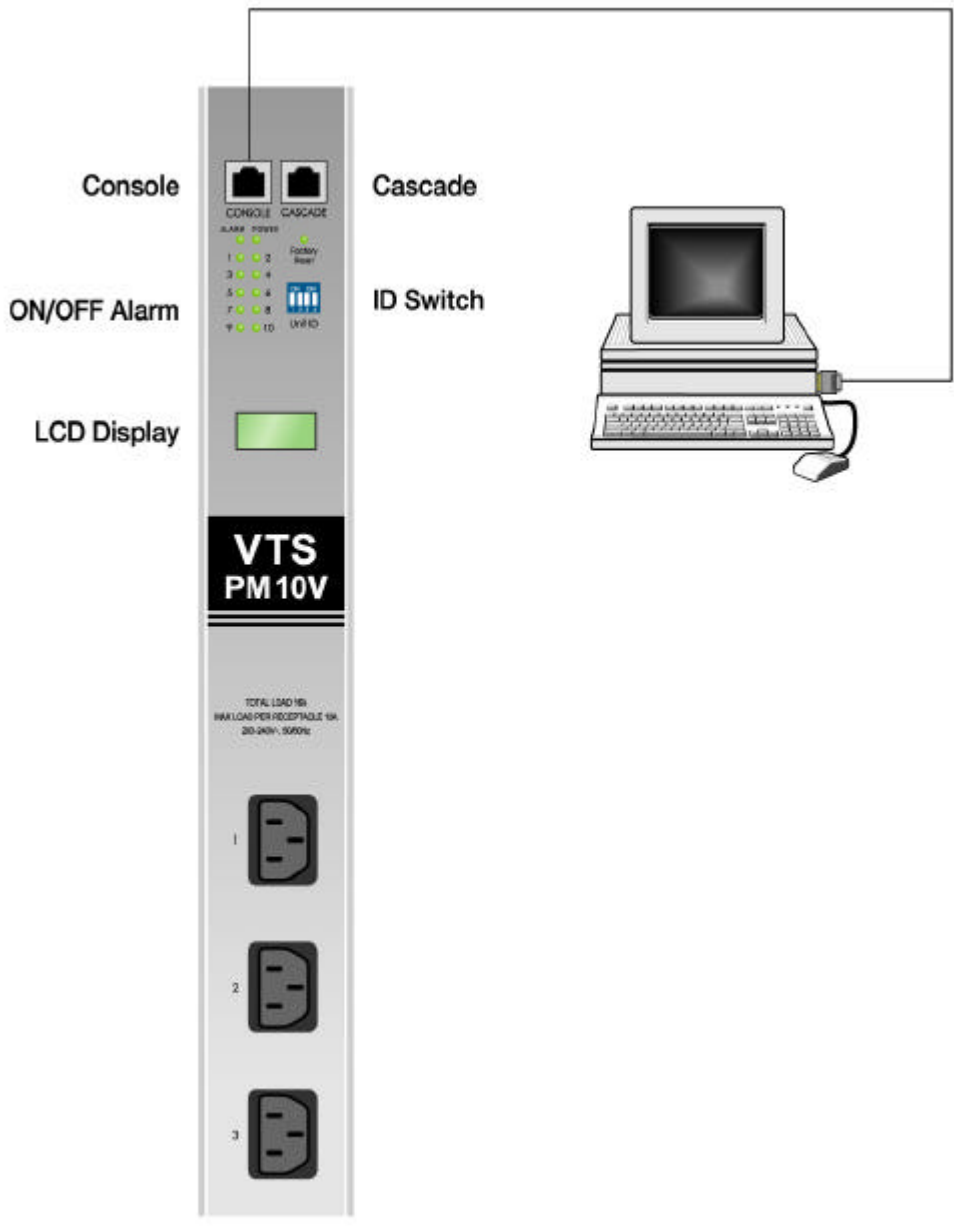
2-2

VTS PM8H

VTS PM10V



2-1 VTS PM8H



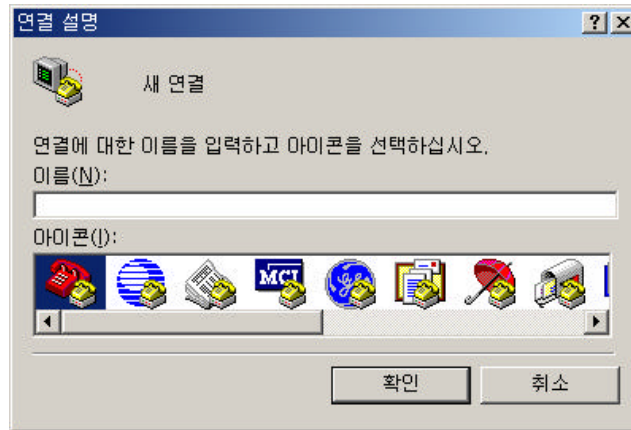
2-2 VTS PM10V

2.1.2 VTS PM (Console)

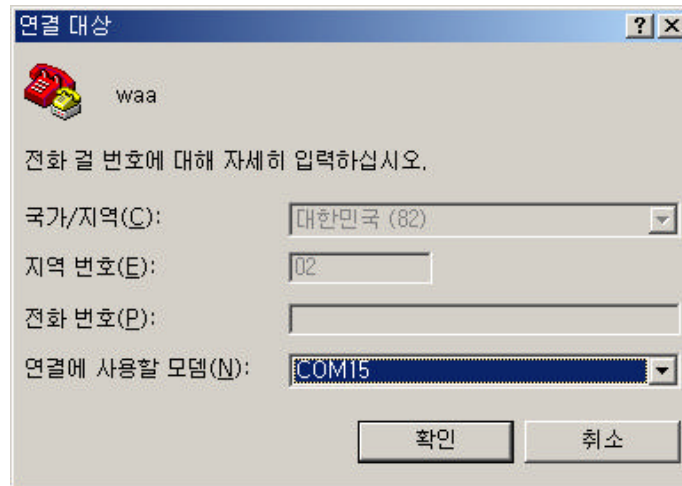
(1) PC → - → →

(2) →

(3)

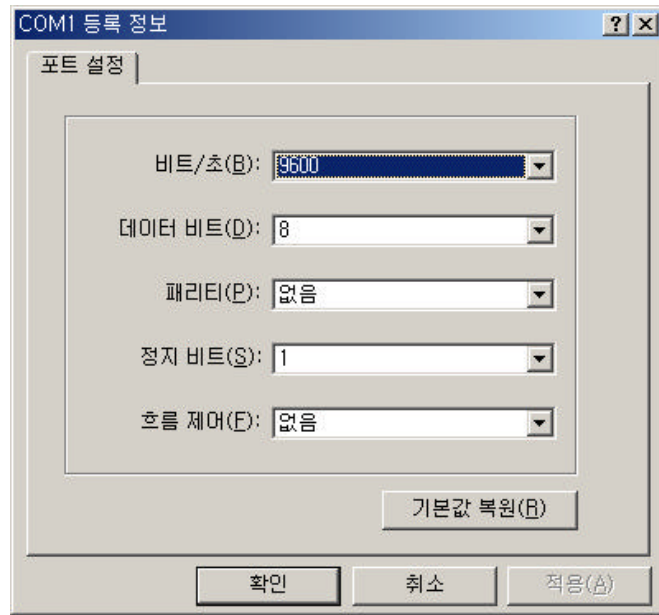


(4) COM



(5)

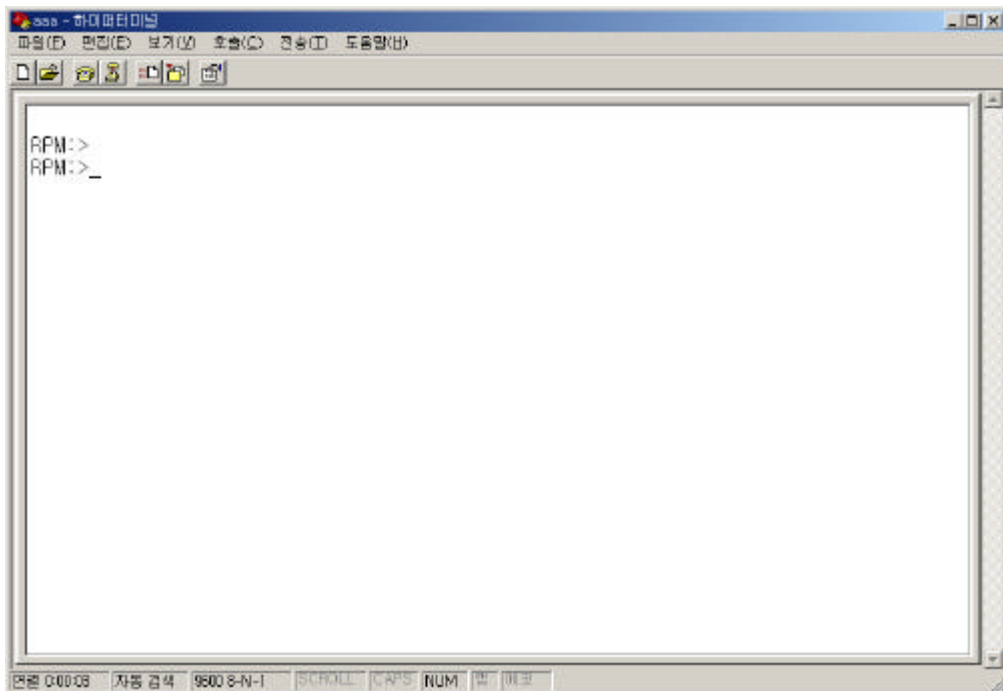
/ (B) : 9600
 (D) : 8
 (P) :
 (S) : 1
 (F) :



(6) <Enter>

RPM:>

가



2.2 (Cascading mode)

2.2.1

2 VTS PM , .

(1) 0 VTS PM Unit ID Switch 0 ,1 VTS PM 1,.....F VTS PM
Unit ID Switch F .

: VTS PM Unit ID 가
. Unit ID “ 3 : Unit ID Switch
“ .

(2) 0 VTS PM PC COM .

(3) 0 VTS PM Cascading 1 VTS PM Console .

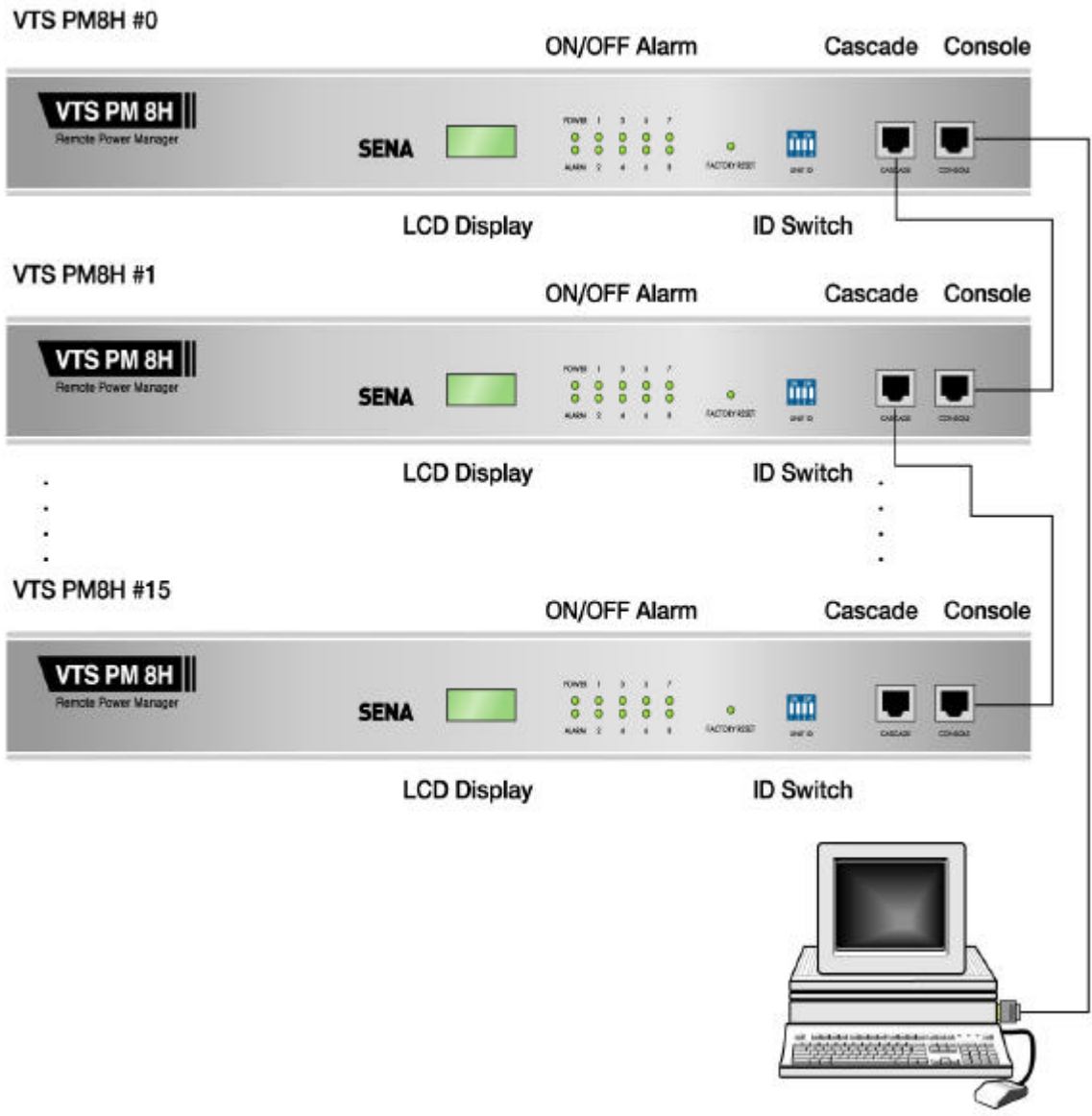
(4) 1-15 VTS PM (4) .

(5) VTS PM AC Input 220V(110V) 가 .

2-3 2-4 VTS PM8H VTS PM10V

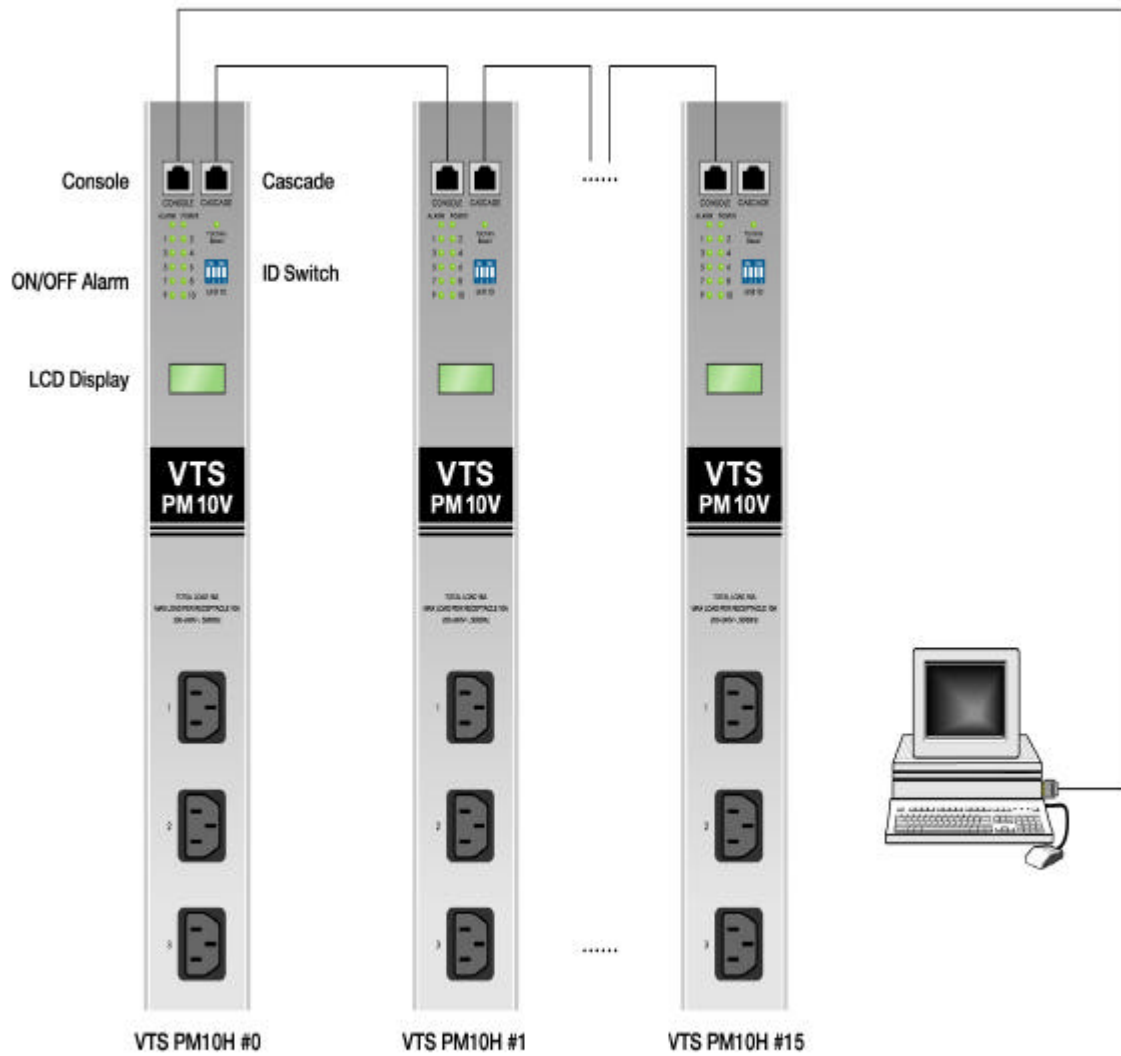
VTS PM8H VTS PM10V

가 16 VTS PM .



2-3 VTS PM8H

(Cascading mode)



2-4 VTS PM10V

(Cascading mode)

2.2.2 VTS PM (Console)

VTS PM

. "2.1.2 VTS PM (Console) "

3. VTS PM

3.1

VTS PM 가 (HyperTerminal) Terminal Emulation
VTS PM (Outlet)

Text

“3.2”

Console

<enter>

Prompt가

```
RPM:>
```

Unit ID 가 0 VTS PM password 가

<Enter> key

password

password가

Text

가

```
<Enter>
Please login to RPM#0 unit first
Login 0 ****
Incorrect password for RPM#0. Retry again.
Login 0 *****
Password is accepted for RPM#0 unit.
RPM:>
```

“3.2”

3.2

1. Help

Interface Unit

```
RPM:>help
```

```
On # n<Enter> ;Turn Outlet(s) of unit # on, n=1,...,8,all
Off # n<Enter> ;Turn Outlet(s) of unit # off, n=1,...,8,all
Reboot # n<Enter> ;Reboot Outlet(s) of unit #, n=1,...,8,all
Recycle # n,t<Enter> ;Recycle Outlet(s) of unit #, n=1,...,8,all
```

```

t=0,1,...,1500
Status #<Enter>           ;Get Unit Status  of unit #
Lock # n<Enter>           ;Locks Outlet(s) status of unit #, n=1,...,8,all
Unlock # n<Enter>         ;Unlock Outlet(s) status of unit #,
n=1,...,8,all
Clear #<Enter>            ;Reset the maximum detected current of unit #
Tempdisp # n<Enter>       ;Temperature display mode selection of unit #,
n=1(Celsius),2(Fahrenheit)
Name # n,<name><Enter>     ;Names Outlet(s) of unit #, n=1,...,10,<name>
Exit #<Enter>             ;Log off from unit #
Exit<Enter>               ;Log off from all unit(s)
Ldisp # n<Enter>          ;Change LCD mode  of unit #, n=1(normal),2(toggle)
Login # passwd<Enter>     ;Log into the unit # with passwd
Passwd # <Old> <New> <New><Enter> ;Changes the current password of unit #
Restart #<Enter>          ;Performs a warm boot of unit #
Reset #<Enter>            ;Performs factory reset of unit #
Help<Enter>              ;This Command

```

2. ON

```

-           VTS PM      Outlet  On           .
-           Outlet      On           On           0.2 ~ 0.5
-           On           .
-           Lock           .

```

```
RPM:>on 0 1
```

```
0 VTS PM  1  outlet  on           .
```

```
RPM:>on 1 1
```

```
1 VTS PM  1  outlet  on           .
```

```
RPM:>on 2 1,2
```

```
2 VTS PM  1 ,2  outlet  on           .
```

```
RPM:>on 3 1,2
```

```
3 VTS PM  1 ,2  outlet  on           .
```

```
RPM:>on 4 all
```

```
4 VTS PM           outlet  on           .
```

3. OFF

```

-           VTS PM      Outlet  Off           .
-           Outlet      Off           Off           0.2 ~ 0.5
-           Off           .
-           Lock           .

```

```
RPM:>off 0 1
```

0 VTS PM 1 outlet off .

RPM:>off 1 1

1 VTS PM 1 outlet off .

RPM:>off 2 1,2

2 VTS PM 1 ,2 outlet off .

RPM:>off 3 1,2

3 VTS PM 1 ,2 outlet off .

RPM:>off 4 all

4 VTS PM outlet off .

4. REBOOT

- VTS PM Outlet On Outlet Off
 On .
 - Lock .
 - Off 10 Outlet On ,
 가 Off Outlet On .
 - Outlet Reboot Off On
 0.2 ~ 0.5 Off On On Off
 10 .

RPM:>reboot 0 1

0 VTS PM 1 outlet reboot .

RPM:>reboot 1 1,2

1 VTS PM 1 ,2 outlet reboot .

RPM:>reboot 2 all

2 VTS PM outlet reboot .

5. RECYCLE

- VTS PM Outlet reboot .
 - Recycle 1 - 1500 .
 - Lock .
 - Recycle (ON/OFF/LOCK/UNLOCK/REBOOT/
 RESTART/RESET) Recycle .

```
RPM:>recycle 0 1,1
```

```
0 VTS PM 1 outlet 1 reboot .
```

```
RPM:>reboot 1 1,2
```

```
1 VTS PM 1 ,2 outlet 2 reboot .
```

```
RPM:>reboot 2 all,10
```

```
2 VTS PM outlet 10 reboot .
```

6.STATUS

- VTS PM .

```
RPM:>Status 0
```

```
0 VTS PM .
```

```
RPM:>Status 1
```

```
1 VTS PM .
```

```

Model Name: RPM10          Unit ID: 0
F/W Ver.: v1.0.0R1       LCD Display mode: Normal
Power: 42 Watts           Voltage: 214.0 Volts
Current: 68.2 Amps        Max Current Detected: 68.2 Amps
Internal Temperature: 28.0 C  Outlet Circuit Breaker: Good
-----
Outlets| 1 2 3 4 5 6 7 8 9 10
-----
Status | Off Off Off Off Off Off Off Off Off Off Off
Lock   | Off Off Off Off Off Off Off Off Off Off Off
Recycle| Off Off Off Off Off Off Off Off Off Off Off
-----
Outlets|      Name      ||Outlets|      Name      ||
-----
  1 |      |      | 2 |      |      |
  3 |      |      | 4 |      |      |
  5 |      |      | 6 |      |      |
  7 |      |      | 8 |      |      |
  9 |      |      |10 |      |      |

```

7.LOCK

- VTS PM Outlet .

- 가 Outlet On/Off/Reboot 가

Unlock lock 가 On/Off/Reboot

```
RPM:>lock 0 1
```

0 VTS PM 1 outlet .

```
RPM:>lock 1 1,2
```

1 VTS PM 1 ,2 outlet .

```
RPM:>lock 2 all
```

2 VTS PM outlet .

8. UNLOCK

- VTS PM Outlet .

```
RPM:>unlock 0 1
```

0 VTS PM 1 outlet .

```
RPM:>unlock 1 1,2
```

1 VTS PM 1 ,2 outlet .

```
RPM:>unlock 2 all
```

2 VTS PM outlet .

9. CLEAR

- VTS PM the maximum detected current reset .

```
RPM:>clear 0
```

0 VTS PM the maximum detected current reset .

```
RPM:>clear 1
```

1 VTS PM the maximum detected current reset .

10. TEMPMODE

- VTS PM .

```
RPM:>tempmode 0 1
```

0 VTS PM (Celsius) .

```
RPM:>tempmode 1 1
```

1 VTS PM (Celsius) .

```
RPM:>tempmode 0 2
```

```
0 VTS PM (Fahrenheit) .
```

```
RPM:>tempmode 1 2
```

```
1 VTS PM (Fahrenheit) .
```

11. NAME

```
- VTS PM outlet .
```

```
RPM:>name 0 1,sena
```

```
0 VTS PM 1 outlet sena .
```

```
RPM:>name 0 1,
```

```
0 VTS PM 1 outlet .
```

```
RPM:>name 1 1,sena
```

```
1 VTS PM 1 outlet sena .
```

```
RPM:>name 1 1,
```

```
1 VTS PM 1 outlet .
```

12. LOGIN

```
- console VTS PM login .
```

```
- 가 Password , Factory Reset 1
```

```
Password .
```

```
( " 1-2 VTS PM10V " )
```

```
RPM:>login 0 <password>
```

```
0 VTS PM login .
```

```
RPM:>login 1 <password>
```

```
1 VTS PM login .
```

```
가 login Password *** echo .
```

```
가 .
```

* Password 가

Incorrect password for RPM#1. Retry again.

* Password 가

Password is accepted for RPM#1 unit.

13. EXIT

- console VTS PM logout .

```
RPM:>exit 0
```

0 VTS PM logout .

```
RPM:>exit 1
```

1 VTS PM logout .

```
RPM:>exit
```

VTS PM logout .

14. PASSWD

- 가 console

- 가 Password , Factory Reset 1

Password

(" 1-2 VTS PM10V ")

```
RPM:>passwd 0 <new passwd> <new passwd>
```

0 VTS PM Password .

```
RPM:>passwd 1 <new passwd> <new passwd>
```

1 VTS PM Password .

가 .

* password 가

New passwords for RPM#1 are mismatched

* password 가

Password for RPM#1 is set successfully

```
RPM:>passwd 0 <old passwd> <new passwd> <new passwd>
```

0 VTS PM Password .

```
RPM:>passwd 1 <old passwd> <new passwd> <new passwd>
```

1 VTS PM Password .

가 .

* Password 가
Current password for RPM#1 is incorrect
* password 가
New passwords for RPM#1 are mismatched
* password 가
Password for RPM#1 is changed successfully

```
RPM:>passwd 0 <old passwd>
```

0 VTS PM Password .

```
RPM:>passwd 1 <old passwd>
```

1 VTS PM Password .

가 .

* Password 가
Current password for RPM#1 is incorrect
* Password 가
Password for RPM#1 is removed successfully

15.RESTART

- VTS PM warm boot .
- VTS PM outlet .

```
RPM:>restart 0  
>System is going to restart now...
```

0 VTS PM warm boot .

```
RPM:>restart 1  
>System is going to restart now...
```

1 VTS PM warm boot .

16.RESET

- System Reset
warm boot .

- Unit Outlet
(Recycle/Passwd/Clear/Lock/confirm/ Lcdmode)

```
RPM:>reset 0  
>System configuration is cleared.  
>System is going to restart now...
```

0 VTS PM reset .

```
RPM:>reset 0  
>System configuration is cleared.  
>System is going to restart now...
```

1 VTS PM reset .

1 : Console Cascading port Pin Map

1. RS-232 Serial Input Port

1. Serial RJ45

1	RTS	
2	DTR	
3	TXD	
4	GND	
5	DCD	
6	RXD	
7	DSR	
8	CTS	

2. Cascading Output Port

2. Cascading RJ45

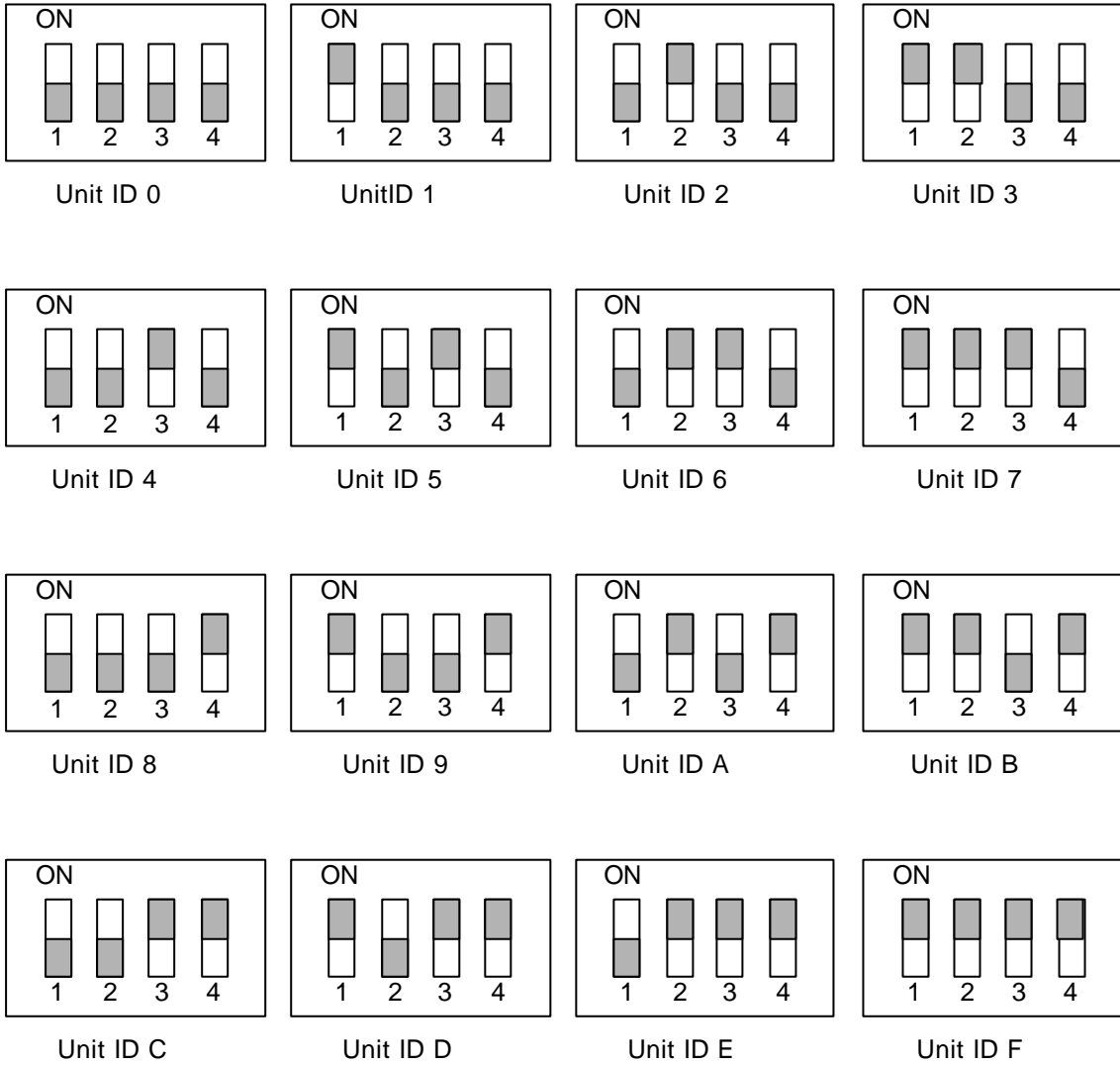
1	N.C	
2	N.C	
3	RXD	
4	GND	
5	N.C	
6	TXD	
7	N.C	
8	N.C	

2 : Specifications

3. Power Management Unit Specifications

Characteristics	Specifications	
Input Voltage	110V	220V
Input Max. Load	16A(220V)/16A(110V)	
Power Inlet	Power Inlet	
	IEC 60320 C20	IEC 60320 C20
No. of Output	8/10	
Output Max. Load per port	10A	
Output receptacle type	NEMA5-15R	IEC 60320 C13
Circuit Break Load	16A/20A	
Form Factor	0 U/1 U	
Monitoring	True RMS Current, True RMS Voltage, Power, (Internal Temperature)	
LCD Display	Current/Voltage (Power/Temperature)	
Console	Serial RS232 – RJ45	
Cascading	Serial console port	
LED	Power indicator LED, receptacle on/off indicator LEDs 8, Trip Alarm LED	
Form Factor	0U	96.0L x 6.0D x 5.0 (cm)
	1U	43.5L x12.7D x 4.4 (cm)
S/W Upgrade	가	

3 : Unit ID Switch



A-3: ID Switch