- SEC-SWC WB TMPL-002
Ver. 1.0
2005-05-27

DMS User Manual

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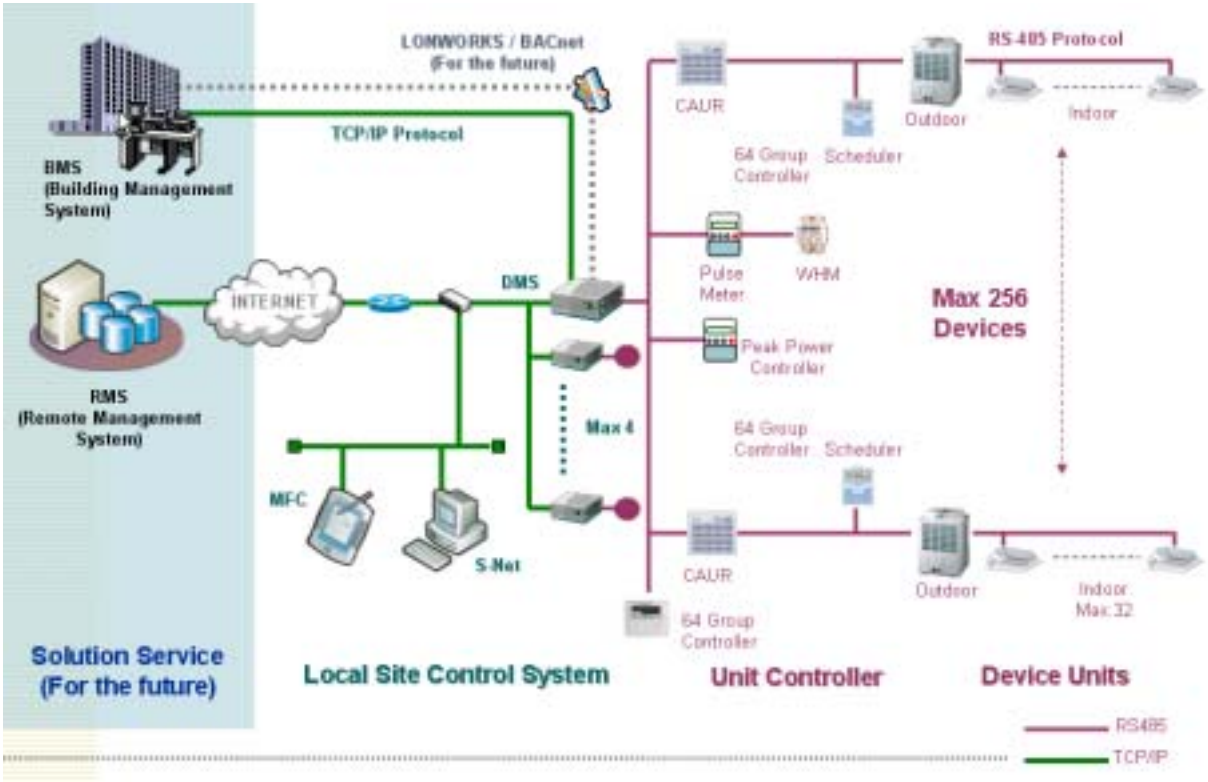
1.1. DMS System Feature

1.1.1. System Establishment Environment



1.2. Introduction of DMS Function

1.2.1. DMS Main Function

1) Wink
2) Tracking
3) DVM Monitoring/Controll
4) Fault/Error History Monitoring
5) DVM item inquiry / setting
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7) DI / DO
8) Schedule setting / inquiry / execution
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11) Joint between the DMS' Peak power control information

12) Information inquiry / settion of the demand controller

1.2.2. Console Function

13) Network information inquiry / setting
14) Information inquiry / setting of the service server
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16) Inquiry of tracking information / Execution of tracking
17) Setting of DMS cryptograph
18) Master DMS inquiry / setting
19) Inquiry / initialize of the setting information priority order
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1.2.3. Web Function

1) Login
2) Monitoring / contorling
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4) Set / inquiry of the schedule setting
5) Set / inquiry of the peak power
6) Set / inquiry of the power division
7) Set / inquiry of the system circumstance
8) Tracking
9) User management

2. DMS Installation

2.1. Prapration of the installation

2.1.1. Confirmation of the package

- **DMS Case(UM 32009L) 1SET / pannel 2EA**
- **DMS Main Board, Sub Board, Cable**
- **Serial Cable 1EA**
- **Power Cable 1EA**
- **Ethernet Cable 1EA**

2.1.2. Check list before the installation

- Confirmation of the CAUR' s operation

DMS control the DVM System Air conditioner through controlling the CAUR. So, DMS can not control the air conditioner if the communication between the CAUR and outdoor equipments operates normally.

And if CAUR can not detect the outdoor equipments, DMS can not detect the outdoor equipments and indoor equipments. So DMS must detect all outdoor and indoor equipments and confirm of the normal communication.

- Confirmation of the PC serial port' s normal operation

If you want to use the console function, serial port' s normal operation is necessary. So, confirm that serial port is operating normally.

- Comfirmation of the operation LAN

Because DMS communicate with upper controller through TCP/IP, normal operation of the LAN is necessary. If network is not working, you only can use console function.

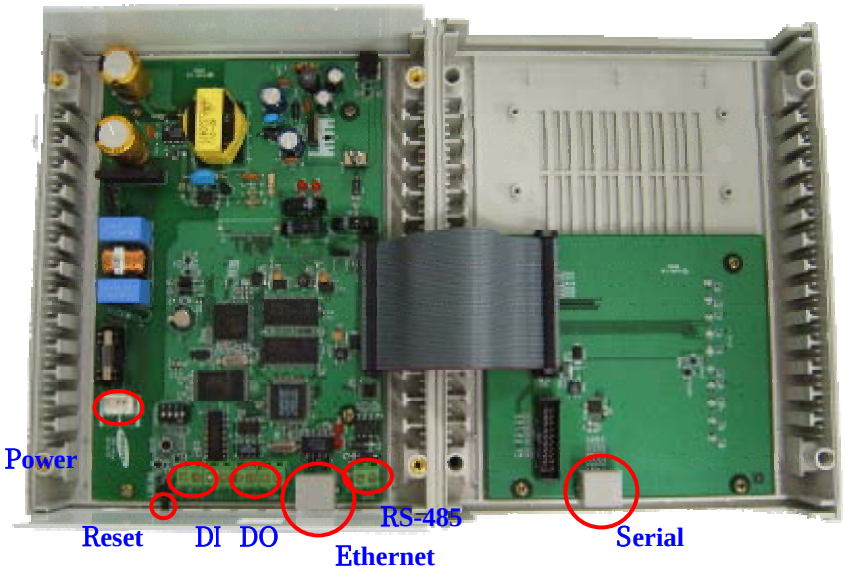
2.1.3. Software Requirements

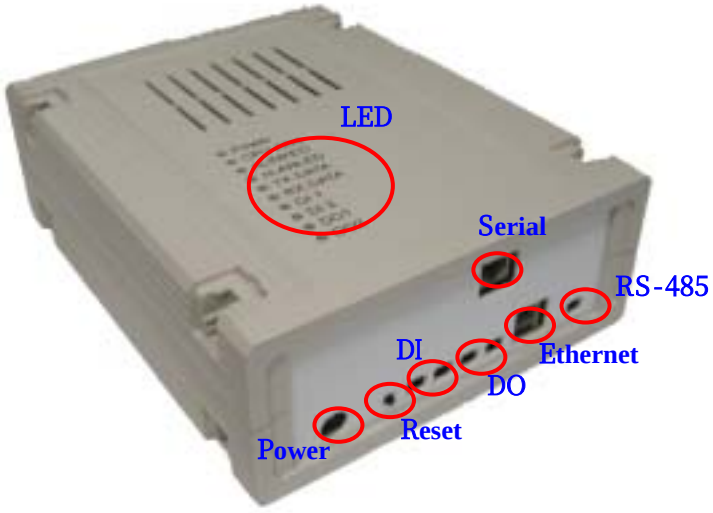
DMS can be set by console and web. It is necessary software requirements of below to do normally.

- Serial program to connect the console(Windows' hyperterminal)
- Java Runtime Environment 1.3.1
- Internet Explore 6.0

2.2. Installation

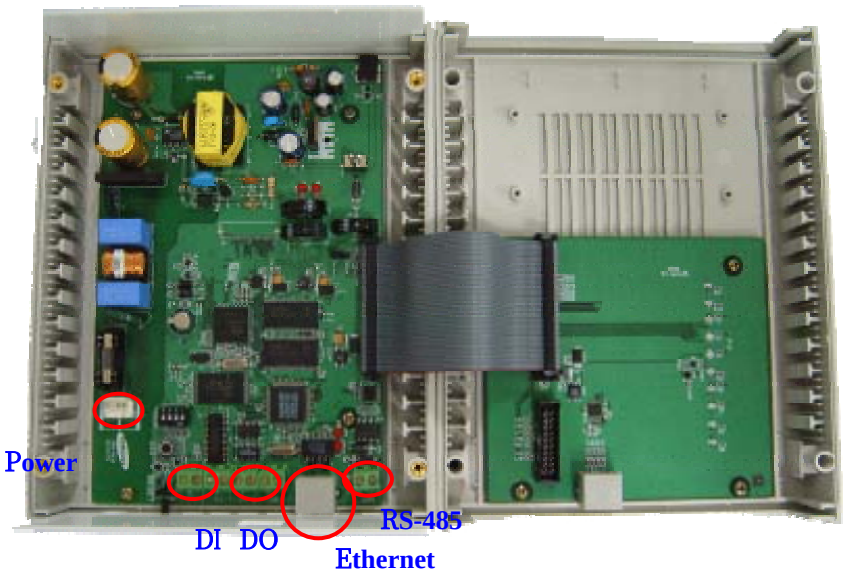
2.2.1. DMS Interface



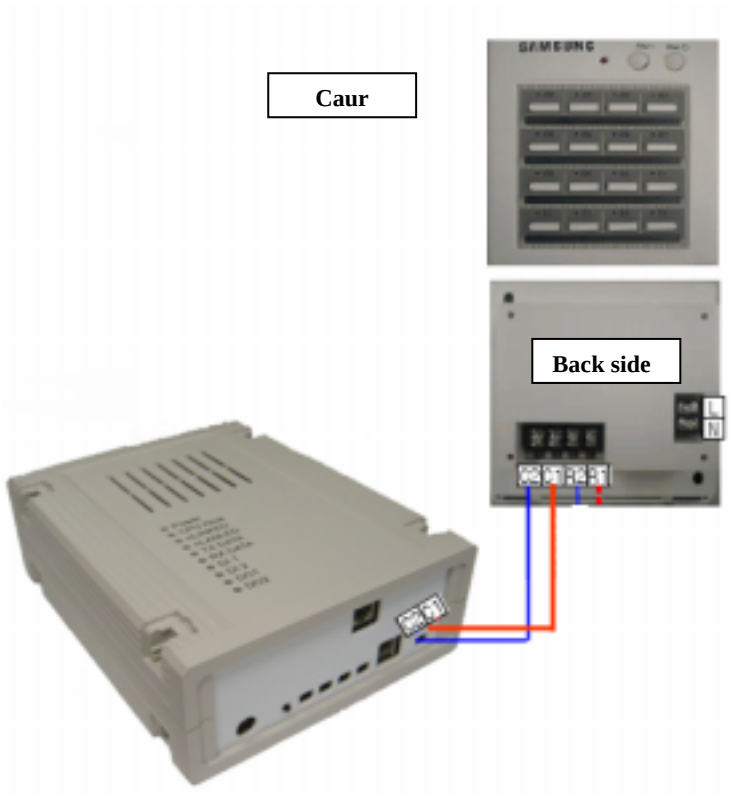


Item	Contents
Power	Supply the power.
Reset	Used in system reset.
DI	Connected to switch to create signal.
DO	Control the on/off of the relay.
Ethernet	Connected to i-MFC, S-Net and Service Server though LAN cable
RS-485	Connected to CAUR, outdoor equipment and indoor equipment through coaxial cable. And then DMS collect the data and control through this.
Serial	Used Version Upgrade and checking the defect.
LED	Display the system status. Power – Checking the system on / off CPU Alive – Checking the system's normal operation nLinked / nLanLED – Checking the Ethernet's connections and operation Tx Data / Rx Data – Checking the RS-485's status DI 1/2 – Checking the DI's operation DO 1/2 – Checking the DO's operation

2.2.2. DMS Connection



1) Power : Connect to AC Power through power cable.
2) DI : Connect to external switch. Be careful of +, - sign.
3) DO : Connect to external relay. Becareful of +, - sign.
4) Ethernet : Connect to LAN Cable.
5) RS-485 : Connect to CAUR. Be careful of C1, C2 sign.



2.3. Check list after installation

Check the LED status displayed on the case after all connection is cleared.

LED name	Contents
Power	If the power is supplied, this LED is turn on. Initial state is off.
CPU Alive	If the CPU is alive, this LED is twinkling Initial state is off.
nLinked	If LAN cable is connected, this LED is turn on. Initial state is off.
nLanLED	If data reception/transmition is occurred through LAN cable, this LED is turn on. Initial state is off.
Tx Data	If data transmition is occurred through coaxial cable, this LED is turn on. Initial state is off.
Rx Data	If data reception is occurred through coaxial cable, this LED is turn on. Initial state is off.
DI 1 / 2	If external switch is pressed, this LED is turn on. Initial state is off.
DO 1	Checking the status of indoor equipment. If one of the indoor equipments is turn on, then, this LED is turn on. Initial state is off.
DO 2	Checking the status of indoor equipment. If one of the indoor equipments have a defect, LED is turn on. Initial state is off.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help