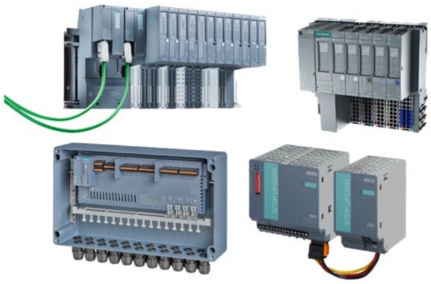

SIEMENS RDM-PC Remote Diagnostics Module Instruction Manual

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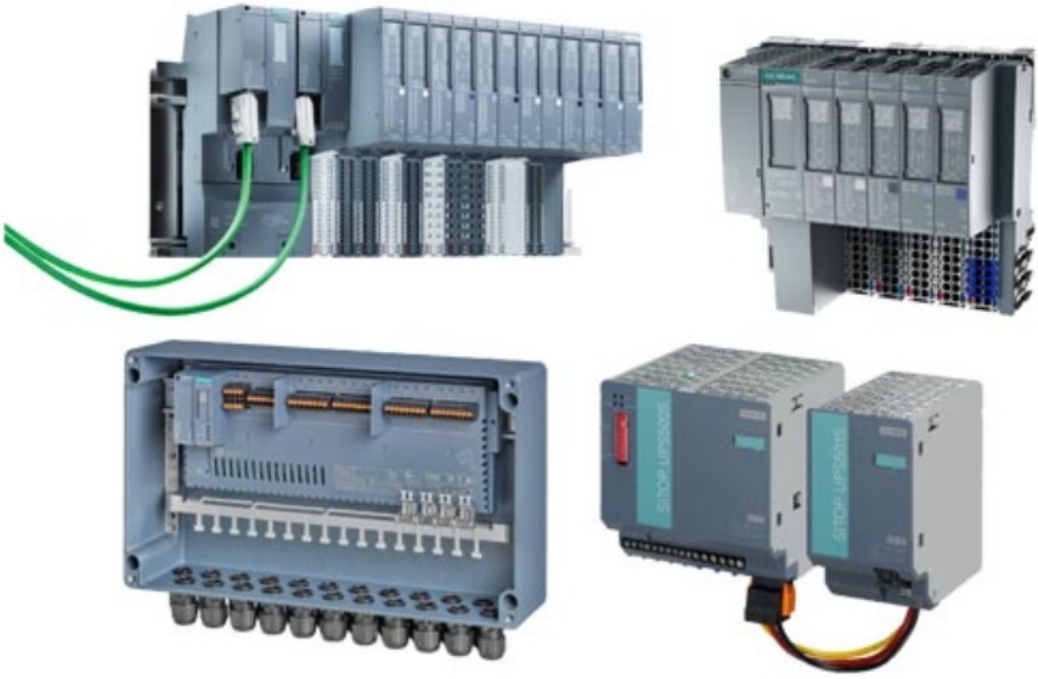
SIEMENS

SIEMENS RDM-PC Remote Diagnostics Module



Installation Instructions

Model RDM-PC
Remote Diagnostics Module

INTRODUCTION
The Model RDM-PC Remote Diagnostics module (RDM for PC connection) from Siemens Industry, Inc., as shown in Figure 1, allows connection of a remote computer to an MXL. The RDM-1 for MXL PIM-1 (RDM-MXL) connection is made via a telephone line. After communication is established, the remote computer will function like a VDT connected locally to the MXL. Secure access to the MXL is guaranteed by using a callback procedure. This means that the MXL cannot connect to any unknown or unauthorized site. The Re-mote Diagnostic option for the MXL VDT configuration in the CSG-M must be enabled (by selecting YES).

NOTE:
CSG-M Revision 7.0 is the minimum revision required to operate the RDM-PC.

The following items are supplied with the RDM-PC:

- QUANTITY ITEM
  - 1 RDM-1 for PC connection (Remote Diagnostics Module)
  - 1 24 VDC Power Pack for RDM-1 for PC connection (115V to 24VDC)
  - 1 RS-232 DB9 Cable for RDM-PC, Port A connection to the Comm Port of the PC
  - 1 RDM-1 Software installation Diskette (3.5″, 1.44MB)

The user will need to supply the following items:

- QUANTITY ITEM
  - 1 Personal Computer with Windows 95 or Windows NT ver. 4.0, 1MB Disk Space, 4MB RAM
  - 1 Telephone cable (RJ11 to RJ11)

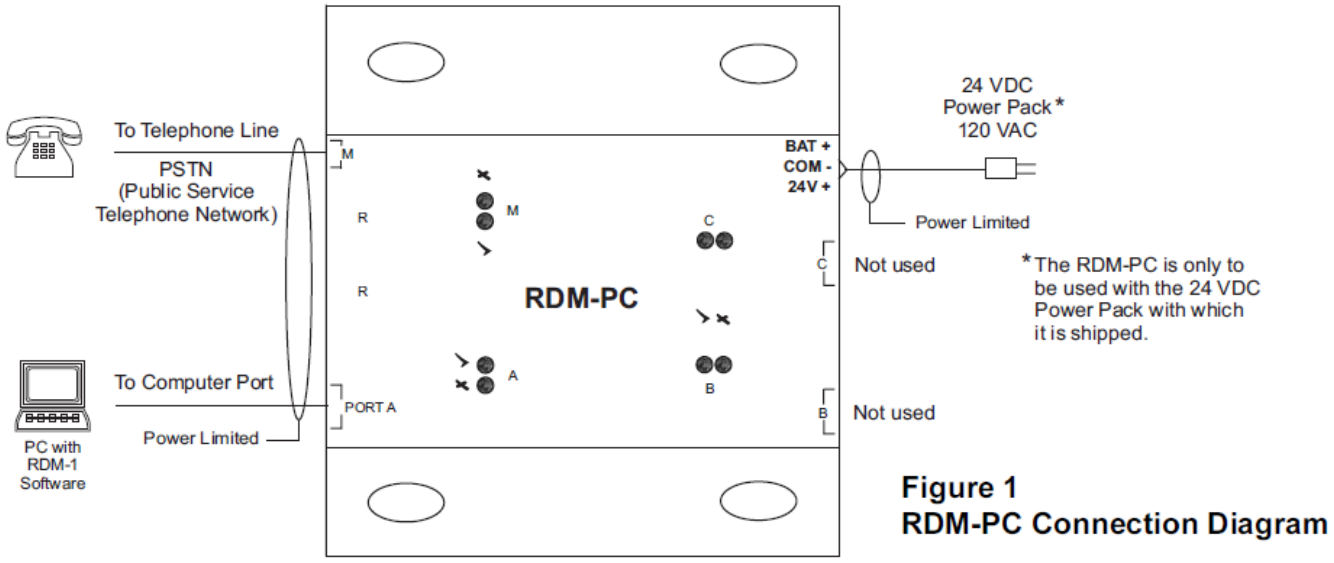


Figure 1
RDM-PC Connection Diagram

WIRING

- Connect a PC or laptop to Port 232-A of RDM-PC using the supplied cable. Note that this is a straight-through standard RS-232 cable for laptops.
  The connections are as follows:

RDM-1 for PC Connection RS-232 Port A 9 pins (DCE)	PC / LAPTOP (D825-ComPort) 25 pins	PC / LAPTOP (D89-ComPort) 9 pins
2	3	2
3	2	3
4	20	4
5	?	5

- Connect the 24 VDC power pack to the supplied connector. The power connector is next to Port C of the RDM-1.
- Connect the telephone line to the RJ11 phone socket on the RDM-PC. An FCC Part 68 compliant telephone cord (which is sup-plied) must be used.
- Refer to the Connection Diagram shown in Figure 1 for wiring the RDM-PC.

INSTALLATION OF RDM-1 SOFTWARE ON THE PC

1. Insert the floppy diskette in Drive A:
2. Run A:\SETUPRDM
3. Follow the on-screen instructions to select an installation directory.
4. A dialog box will prompt the user to enter the installation password. The Installation password is MXL.
5. Once installed, run the Remote Diagnostics Module software by clicking on Start /Programs / Remote Diagnostics Module /RDM.

6. A dialog box will prompt the user to enter the login password. The default login password is MXL. The RDM-1 main screen displays after entering the password.

OPERATION OF LEDS

Each port has a green and a yellow LED. When the green LED is lit, it means the port is operating normally. When the yellow LED is lit, it means that the port is not operating properly or there has been supervision failure on this port. If both LEDs are off, then this port has been disabled, is not in use, or is not supervised (For example, spare ports).

- **Port A (PC port):**
  Green LED indicates supervision is all right. Yellow LED indicates supervision failure or the RDM software is not running
- **Port M (modem):**
  Green LED indicates port is connected to a remote site and it is operating properly. Yellow LED indicates modem failure.

ADD/EDIT REMOTE SITE

To add a remote site or change details of an existing site, use the File / Edit Sites menu options. A list of sites and their details are shown. A site can be selected by clicking on the site name. If there are too many sites to display on the screen, use the scroll buttons to view the rest.
Site Information: Enter the following information for each MXL fire alarm panel used as a remote site.

- **Site Name**: The description of the remote site — normally the place where the MXL is located.
- **Telephone:** Enter the telephone number of the location where the MXL dials out.
- **Login:** Enter the login name programmed in RDM-MXL.
- **Password:** Enter the password associated with the login name as programmed in RDM-MXL.

CONNECTING TO A REMOTE MXL SITE

1. Select the site name of the MXL to dial-out.
2. Type AT, <ENTER> to confirm that the RDM-PC is properly connected to the PC. The modem should respond by placing OK on the screen. If OK does not appear, check the computer–RDM connection.
3. Press the Dial button to initiate a call. The following sequence of events establishes communication between the RDM-PC and RDM-MXL:
   - **Dialing out from MXL-PC:** The screen indicates that the modem is dialing out by displaying the modem dial-out command ATDT #.
   - **Logging On:** The RDM-MXL answers the call and a connection is established. The RDM-PC identifies itself to the RDM-MXL. After this is completed, both RDMs hang up.
   - **Waiting for Callback:** The RDM-PC successfully logs onto the RDM-MXL and waits for it to call back. The RDM-MXL then initiates a call back to the programmed telephone number associated with the initial login.
   - **Answering** Call**b**ack: The RDM-PC de-tects ringing and begins to answer the call.
   - **Verifying Password:** After a connection is established, the RDM-PC verifies that the password programmed in RDM software and RDM-MXL match.

4. After the password has been verified, communication is established between the remote PC and the MXL. The PC will now function like a VDT connected to an MXL locally. Refer to RDM Help or the MXL VDT Manual, P/N 315-091734, for list of valid commands that the MXL recognizes.
5. All events occurring at the MXL will be displayed on the screen of the PC.
6. To end the call, press the Disconnect button and both RDMs will disconnect.

TROUBLESHOOTING

ERROR Logging On — The login name for this site is not correct. The login name must match a name entered into the RDM-MXL at the MXL location being called. This error is also given when the login name has been disabled in the RDM-MXL.
ERROR Verifying Password — The password for this login name is incorrect. The password must match that entered into the RDM-MXL at the MXL location being called.

IF TROUBLE IS EXPERIENCED WITH the RDM-1 for PC connection, please contact the Siemens Industry, Inc., Technical Support Department at (800) 248-7976.

USA – FCC EQUIPMENT

LIMITATIONS:

- An FCC Part 68 compliant telephone cord must be used.
- This equipment complies with Part 68 and Part 15 of the FCC rules. On the back of the RDM-PC is a label that contains, among other information, the FCC registration number and ringer equivalence number (REN). If requested, this information must be supplied to the telephone company.
- The REN is used to determine the quantity of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of RENs should not exceed 5. To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company.
- If the RDM-PC causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinu-ance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.
- The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

INDUSTRY CANADA – EQUIPMENT ATTACHMENT LIMITATIONS
NOTICE: The Industry Canada label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s).
The Department does not guarantee the equipment will operate to the user's satisfaction.
Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.
Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This pre-caution may be particularly important in rural areas.
Caution: Users should not attempt to make such connections themselves, but should contact appropriate electric inspection authority, or electrician, as appropriate.
NOTICE: The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers does not exceed 5.

ELECTRICAL RATINGS

Active 5VDC Module Current	0mA
Active 24VDC Module Current	150mA
Standby 24VDC Module Current	150mA

Siemens Industry, Inc. Building Technologies Division Florham Park, NJ
P/N 315-096326-6

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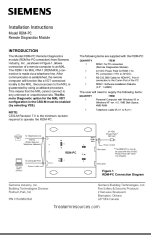
firealarmresources.com

Documents / Resources

	SIEMENS RDM-PC Remote Diagnostics Module [pdf] Instruction Manual RDM-PC, RDM-PC Remote Diagnostics Module, Remote Diagnostics Module, Diagnostics Module, Module

References

- Fire Alarm Resources | Download fire alarm documents