

Chapter 1: Welcome to SIREC D - Software

Features

* not featured on the **SIREC DS**

Features	SIREC D - Viewer	SIREC D - Manager	SIREC D - Server
Full Configuration of SIREC DM, SIREC DH or SIREC DS recorders on a PC		✓	✓
Simulate SIREC DM, SIREC DH or SIREC DS recorders on PC		✓	✓
Import data from disk	✓	✓	✓
Print all graph data and recorder configurations	✓	✓	✓
Archive data on integral secure database		✓	✓
E-mail recorder configurations and data on www		✓	✓
Export using CSV format files		✓	✓
Export using OPC links			✓
Up to 256 units on RS485 *			✓
On Ethernet using TCP/IP			✓
Distribute all recorder data over LAN plant-wide			✓
FTP/IP Ethernet connection			✓
Events system		✓	✓
Operates in Windows™ 98 SE, ME, 2000 and NT4#, XP	✓	✓	✓#
Password protection - Full user traceability	✓	✓	✓
Web browse a recorder			✓
Send setup to recorder via Ethernet			✓
Audit trail manager			✓
Realtime data retrieval used for graphing & logging			✓
Replay of historical and Realtime data using a split screen format.			✓
New protocols, Modbus RS485 (Modbus X) and Profibus *			✓
Comms Server manages the communication status of the recorder			✓
Local and Remote Server and Database access via an Ethernet link			✓

SIREC D - Server only runs on Windows™ 98SE, 2000 and NT ver 4.0 with service pack 3 onwards (5.0 recommended) and XP.

Chapter 2: Introduction to the SIREC D - Software

Introduction



The **SIREC D - Software** software is a Windows™ based PC package which accompanies the **SIEMENS** range of recorders as a data acquisition and configuration tool. The mouse and keyboard operations are Windows™ orientated and this manual is written under the assumption that the user is familiar with Windows™.

SIREC D - Software is designed and written for Windows™ 95 (except for **SIREC D - Server**), 98SE, ME, 2000, Windows™ NT version 4.0 with service pack 3 (onwards) and XP. **NB: SIREC D - Software** will not run with Windows™ 3.1.

Any technical terms peculiar to the **SIEMENS** range of recorders should be referred to in the [“Glossary” on page 71](#).

Software Options



SIREC D - Software software is available listed below. The attributes of each level are listed in [“Features” on page 1](#).

SIREC D - Viewer

This software is available free of charge and allows the user to view, graph, print data from a disc or PCMCIA memory card interface and export data facility.

SIREC D - Manager A stand alone package which allows the user to fully configure recorders, as well as archive, graph, print and export data. An integral E-mail facility allows recorder data and configurations to be sent to other users and colleagues on the plant or world-wide. Total recorder control and simulation within an integrated secure data base.

SIREC D - Server A fully network aware package which allows data viewing, archiving and communication with unlimited recorders. Data archive tools are included as standard as well as the ability to E-mail, graph, print and export data.

The **SIREC D - Server** software has an integral Communications Server that manages the communications status of recorders on a serial port (RS485) or through an Ethernet connection. Unless an RS485 card is used, then an RS485 to RS232 converter is required (*Westermo*). Recorders are held on databases and the databases are held on servers. By accessing other comms servers remotely it is possible to receive data from other recorders held on databases on other servers - known as remote servers. The comms server uses IP Addresses to locate recorders on local and remote servers. All logging configuration for comms logging and logging to a database is set up from the Comms Server.

Recorder data can be entered into any PC on the LAN (Local Area Networks) and automatically viewed and graphed at any other PC. **SIREC D - Server** offers the ability to download and import data from Ethernet connected remote recorders. To use it

you must have a **SIEMENS SIREC DM or DH** recorder with an Ethernet card and the FTP option installed. Many communication protocols are now available including: RS485 Trendbus (including web browser), Ethernet (using FTP), RS232 (web browser). Plus RS485 Modbus and Profibus options on the recorder. For a standard barcode reader that provides an ASCII output use the standard Ethernet/RS232/RS485 comms card.

* Only Ethernet communications available on the **SIREC DS**.

All software in the **SIREC D - Software** has a comprehensive on-line help system with context-sensitive help built in. Just hit the F1 key to call up the specific help file relevant to where you are in the software application.