



Picture shown may not reflect actual configuration

## EMCP Monitoring Software

The EMCP Monitoring Software Package is a PC based program which allows the user to monitor and control up to 16 of the following: EMCP 3.2, 3.3, 4.2, 4.2B, 4.3 or 4.4 generator set controller, Automatic Transfer Switch (ATS) MX150, MX250.

### Features

#### Graphical Monitoring and Control

The EMCP Remote Monitoring Software offers an easy to use graphical interface for real time data monitoring and control for up to 16 Cat devices. Standard screens for monitoring and control have been developed, and the user has the full flexibility to customize the software to meet their specific site requirements.

The System Overview screen displays a graphical summary of the Modbus network, and displays the status and key data for all connected devices.

In addition to the System Overview screen, the following monitoring and control screens are available:

- Generator Set
- Automatic Transfer Switch (ATS)

#### Data Logging

Any parameter that can be viewed on the Modbus network can also be logged. The EMCP Monitoring Software allows the user to define when data logging should start. This can be initiated manually by the user, automatically on receipt of remote start signal, or automatically at a specific time and date. The data is saved in a CSV (comma-separated variable) format for use by an external application such as Microsoft Excel.

#### Data Logging – Pre Alarm

A second data logging feature is provided for troubleshooting assistance in the event of an alarm or shutdown. When enabled, data will be logged from a configurable list of parameters for a period of time before an event occurs.

#### Network View – Event Viewing and Logging

The Network View shows all devices on the Modbus network and the alarm status of each, at one glance. The Event Log Viewer makes it easy to monitor and log individual EMCP events. Alarms are displayed in real-time, with the option to log them to a file or view events from an existing file.

#### Data Graphing

The Data Graphing function allows for the display of user-defined parameters on the screen in a graphical format. Up to six graphs can be independently configured, with each graph having up to six parameters displayed.

#### Grid Data Review

The Grid Data View offers a tabular view of the data available from the various components on the Modbus network.

## Security

The EMCP Monitoring Software offers three levels of security to control the level of access to view and control the equipment, and to modify the monitoring software.

## Communication

- Direct connection to PC with RS485 to RS232 converter (270-0476 or equivalent) using Modbus RTU protocol
- Direct connection to PC with Ethernet using Modbus TCP protocol.
- Remote connection via modem (274-1979 or equivalent)

## PC Requirements

- Windows® XP, Vista 7, or 10.
- 2 GB RAM
- 500 MB hard drive space (minimum required to install)
- Minimum 500 MB hard drive space for data logging (recommended)
- Minimum resolution 1280 x 1024 (recommended)

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