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› Knowtek P810 PC Interface Kit Module User Manual

Knowtek P810

Knowtek P810 PC Interface Kit Module User Manual

Model: P810

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Knowtek P810 PC Interface Kit Module. The P810 module is designed to facilitate communication between a personal computer and compatible DSE (Deep Sea Electronics) generator controllers, enabling configuration and parameter editing. The P810 interface is powered directly from the DSE controller it is connected to, eliminating the need for an external power supply.

PRODUCT OVERVIEW

Package Contents

- P810 PC USB Interface Module
- USB Connection Cable
- DSE Controller Connection Cable
- Software/Driver CD (Note: Software may also be available for download from the Deep Sea Electronics official website for the latest versions.)



Image: The P810 PC Interface Kit, including the interface module, connection cables, and a software/driver CD.



Image: Another view of the P810 PC Interface Kit, showing the two types of cables included for connection.



Image: Close-up of the P810 module and the software CD, indicating compatibility with DSE 51xx, 52xx, and 7xx series controllers. Serial Number: 34240321.



Image: The P810 PC USB Interface Module itself, showing the label with "P810 PC USB INTERFACE WITH SOFTWARE/DRIVER CD" and a serial number (e.g., S/N: 34240205).



Image: The P810 PC USB Interface Module enclosed in its brown cardboard packaging, displaying the product label.

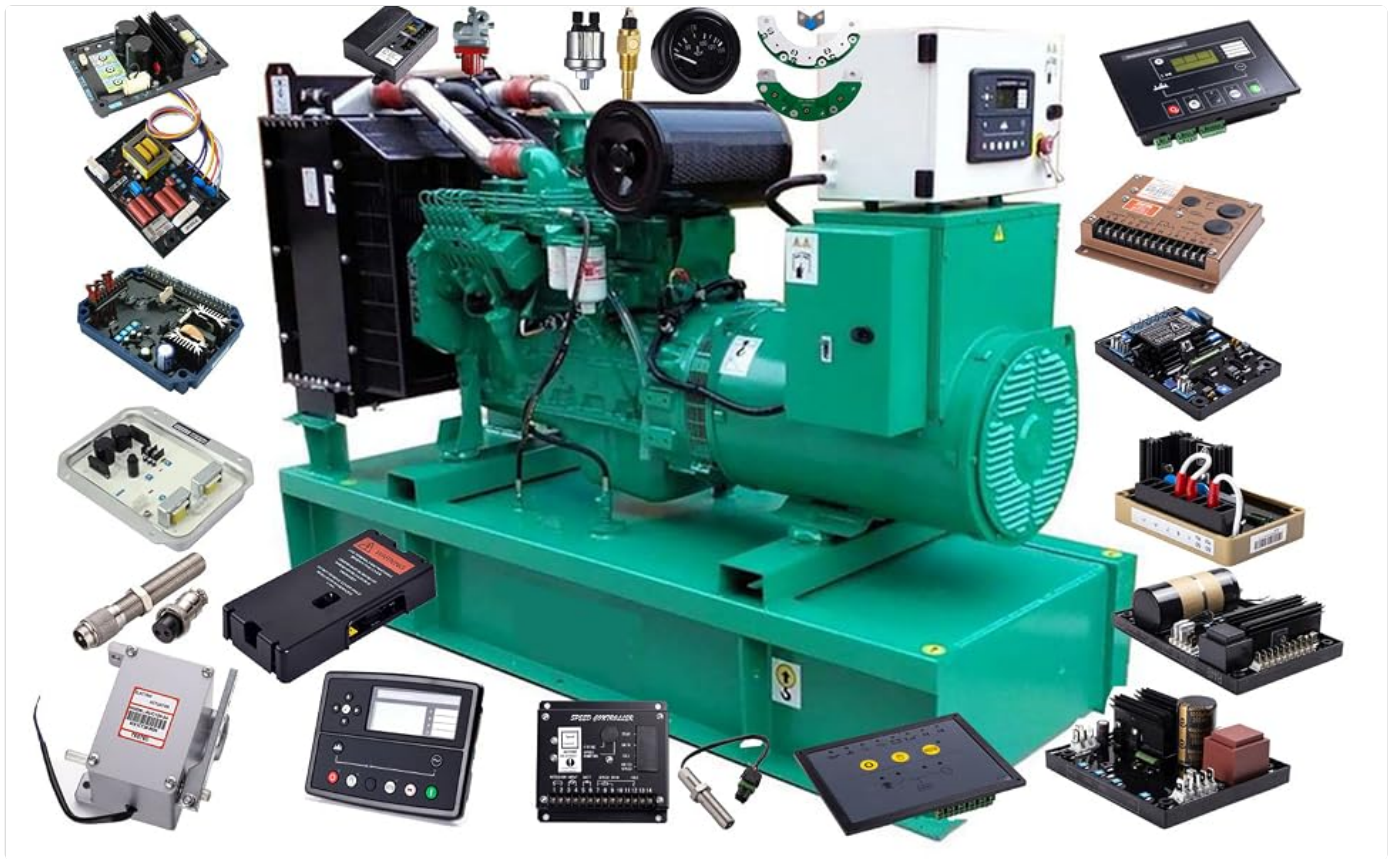


Image: An illustrative image showing various generator components and control modules, highlighting the context in which the P810 interface is used.

Key Features

- Direct PC to DSE Controller Communication
- USB Connectivity
- Self-Powered from DSE Module
- Enables Configuration Editing
- Compatible with DSE710, DSE720, DSE5110, DSE5120, DSE5210, DSE5220 controllers.

SETUP

Software Installation

1. **Obtain Software:** Insert the provided software/driver CD into your computer's CD-ROM drive. Alternatively, visit the official Deep Sea Electronics (DSE) website to download the latest version of the DSE Configuration Suite software. It is recommended to use the latest software version for optimal compatibility and features.
2. **Run Installer:** Locate and run the setup file (e.g., "setup.exe") from the CD or downloaded package.
3. **Follow Prompts:** Follow the on-screen instructions to complete the software installation. This typically includes accepting license agreements, choosing installation directories, and installing necessary drivers.
4. **Restart (If prompted):** If prompted, restart your computer after installation to ensure all drivers are correctly loaded.

Hardware Connection

1. **Connect USB Cable:** Connect one end of the USB cable to the P810 interface module and the other end to an available USB port on your computer.
2. **Connect DSE Controller Cable:** Connect the appropriate DSE controller connection cable to the P810 interface module.

3. **Connect to DSE Controller:** Connect the other end of the DSE controller cable to the designated configuration port on your DSE generator controller. Refer to your specific DSE controller's manual for the exact location of this port.
4. **Power On Controller:** Ensure the DSE generator controller is powered on. The P810 interface module will draw its power directly from the controller.

OPERATING

Using the DSE Configuration Suite

1. **Launch Software:** Open the DSE Configuration Suite software on your computer.
2. **Select Controller:** Within the software, select the type of DSE controller you are connected to (e.g., DSE5110, DSE720).
3. **Establish Connection:** The software should automatically detect the P810 interface and attempt to establish a connection with the DSE controller. If not, look for a "Connect" or "Scan" option within the software.
4. **Read Configuration:** Once connected, you can typically read the current configuration settings from the DSE controller into the software.
5. **Edit Parameters:** Modify the desired parameters and settings within the software interface. Be cautious when changing settings, as incorrect configurations can affect generator operation.
6. **Write Configuration:** After making changes, write the new configuration back to the DSE controller. Confirm the write operation when prompted.
7. **Disconnect:** Once configuration is complete, safely disconnect the software from the controller before physically disconnecting the cables.

Note: For detailed instructions on specific configuration parameters and software features, refer to the help documentation within the DSE Configuration Suite software or the official DSE controller manuals.

MAINTENANCE

The Knowtek P810 PC Interface Kit Module requires minimal maintenance. Follow these guidelines to ensure longevity and proper function:

- **Storage:** Store the module and cables in a dry, cool environment, away from direct sunlight and extreme temperatures.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the module and cables. Do not use liquid cleaners or solvents.
- **Cable Care:** Avoid bending or kinking the cables sharply. Store them loosely coiled to prevent damage to internal wires.
- **Software Updates:** Periodically check the Deep Sea Electronics website for updates to the DSE Configuration Suite software to ensure compatibility with new operating systems and controller firmware.

TROUBLESHOOTING

Common Issues and Solutions

- **Module Not Recognized by PC:**
 - Ensure USB cable is securely connected to both the P810 module and the PC.
 - Verify that the necessary drivers for the P810 module are installed. Reinstall the software/drivers if unsure.
 - Try a different USB port on your computer.
 - Test the module on another computer if possible.

- **Cannot Connect to DSE Controller:**
 - Confirm the DSE controller is powered on.
 - Check that the DSE controller connection cable is securely attached to both the P810 module and the controller's configuration port.
 - Ensure you have selected the correct DSE controller model within the DSE Configuration Suite software.
 - Verify that the DSE Configuration Suite software is the correct version for your controller.
- **Software CD is Blank/Unreadable:**
 - As noted in customer reviews, some CDs may be blank. The recommended solution is to download the latest DSE Configuration Suite software directly from the official Deep Sea Electronics website.
- **Configuration Errors After Writing:**
 - Always back up the original configuration before making changes.
 - Double-check all parameters before writing them to the controller.
 - Consult the DSE controller's specific manual for detailed explanations of each parameter.

SPECIFICATIONS

Model Number	P810
Compatible Controllers	DSE710, DSE720, DSE5110, DSE5120, DSE5210, DSE5220
Interface Type	USB to DSE Controller
Power Source	Powered from connected DSE module (no external power required)
Package Dimensions	6.5 x 5.39 x 1.61 inches (approximate)
Item Weight	8.4 ounces (approximate)
Manufacturer	KNOWTEK

WARRANTY AND SUPPORT

For warranty information and technical support, please contact Knowtek customer service or refer to the documentation provided with your purchase. You may also find additional resources and support on the official Deep Sea Electronics (DSE) website for software-related inquiries.

Manufacturer: KNOWTEK

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