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Supco DVCV

Supco DVCV DataView Series Logger User Manual

Model: DVCV

1. Introduction

The Supco DVCV DataView Series logger is a versatile instrument designed for instantly recording and viewing critical performance parameters such as current, voltage, and watts. This device allows for real-time measurement monitoring and data download to a PC for detailed analysis. This manual provides essential information for the safe and effective use of your DVCV logger.

2. Safety Information

Please read and understand all safety instructions before operating the Supco DVCV. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- Do not use the device if it appears damaged.
- Ensure proper connections are made before applying power.
- Do not attempt to open or modify the device; there are no user-serviceable parts inside.
- Keep the device away from water, moisture, and extreme temperatures.
- Always disconnect power to the circuit before connecting or disconnecting the logger.

3. Package Contents

Verify that all items are present in your package:

- Supco DVCV Data Logger
- USB Cable
- PC Software (typically on a CD or available for download)

4. Product Overview



Figure 1: Supco DVCV DataView Series Logger. The device is a compact black unit with a digital display and control buttons, designed for logging electrical parameters.

The Supco DVCV features an external display for real-time current, voltage, and watt readings. It also provides a logging summary, sample rate, memory used, and remaining memory. The device includes a graph display to show trends in measurements, with a scrolling feature for detailed analysis directly on the unit. PC software and a USB cable are included for data transfer and advanced analysis.

5. Setup

1. **Software Installation:** Install the provided PC software onto your computer. Follow the on-screen instructions during installation. If no CD is provided, check the manufacturer's website for software downloads.
2. **Connect to PC:** Connect the Supco DVCV logger to your computer using the supplied USB cable. The device should be recognized by your operating system and the installed software.
3. **Power On:** Ensure the device is powered on. Refer to the device's specific power-on procedure if applicable.
4. **Initial Configuration:** Open the PC software. You may need to configure initial settings such as date, time, and logging parameters (sample rate, logging duration) before starting a measurement session.

6. Operation

1. **Connecting to Circuit:** Carefully connect the DVCV to the circuit you wish to monitor. Ensure all connections are secure and correct for current, voltage, and watt measurements. Refer to the device's labeling for proper input terminals.
2. **Real-Time Monitoring:** Once connected and powered, the external display will show real-time measurements of current, voltage, and watts.
3. **Starting Data Logging:** Use the device's controls or the PC software to initiate data logging. Confirm that the logging indicator is active on the device.
4. **Viewing Logged Data:**
    - **On Device:** Use the device's navigation buttons to view logging summaries, sample rates, memory usage, and

graphical trends of recorded data.

- **On PC:** Connect the device to your PC and use the software to download the logged data. The software will allow for detailed analysis, graphing, and export of data.

5. **Stopping Data Logging:** Stop the logging process using the device's controls or the PC software before disconnecting the device or turning off power.

7. Maintenance

- **Cleaning:** Clean the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Battery:** If the device uses a battery, ensure it is charged or replaced as needed according to manufacturer guidelines.

8. Troubleshooting

- **Device Not Powering On:** Check power connections or battery status. Ensure the device is properly connected to a power source if applicable.
- **No Readings on Display:** Verify that the device is correctly connected to the circuit being measured and that the circuit is active.
- **PC Software Not Recognizing Device:** Ensure the USB cable is securely connected to both the device and the PC. Reinstall the PC software and device drivers if necessary. Try a different USB port.
- **Data Not Logging:** Check the device's memory status to ensure it is not full. Verify that logging was properly initiated.

9. Specifications

Specification	Value
Brand Name	Supco
Model Number	DVCV
Item Weight	1.05 pounds
Product Dimensions	4 x 2 x 3 inches
Included Components	Data Logger

10. Warranty Information

For detailed warranty information, please refer to the warranty card included with your product or visit the official Supco website. Keep your proof of purchase for warranty claims.

11. Support

If you encounter any issues or have questions not covered in this manual, please contact Supco customer support. Refer to the product packaging or the official Supco website for contact details.

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