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> Miller Diversion 165 FCS-RJ45 Foot Control Instruction Manual

Miller 300432

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1. PRODUCT OVERVIEW

The Miller Diversion 165 FCS-RJ45 Foot Control is an essential accessory designed for precise amperage control during welding operations. This foot pedal is specifically engineered for compatibility with Miller Diversion welders, providing a reliable and responsive interface for welders.

Key features include:

- **Durable Construction:** Built with a combination of metal and plastic materials for longevity.
- **Portable Design:** Features a 14 ft. (4.3 m.) cord for ease of movement and use.
- **Miller Compatibility:** Designed for seamless integration with Miller Diversion welders.
- **Freestanding Mounting:** Allows for flexible placement in your workspace.



Image 1.1: The Miller Diversion 165 FCS-RJ45 Foot Control, showing the pedal and its integrated 14-foot cable with an RJ45 connector.

2. SETUP INSTRUCTIONS

Follow these steps to properly set up your Miller Diversion 165 FCS-RJ45 Foot Control:

1. **Unpack the Foot Control:** Carefully remove the foot control from its packaging. Inspect for any visible damage.
2. **Locate the Connection Port:** Identify the RJ45 control port on your Miller Diversion welding machine. Refer to your welder's manual for the exact location.
3. **Connect the Foot Control:** Insert the RJ45 connector from the foot control's 14 ft. (4.3 m.) cord into the corresponding port on your Miller Diversion welder. Ensure the connection is secure.
4. **Position the Foot Control:** Place the foot control on a stable, flat surface in a comfortable and accessible position for welding. Its freestanding design allows for flexible placement.
5. **Power On Welder:** Once connected, power on your Miller Diversion welder according to its operating instructions. The welder should recognize the foot control.

3. OPERATING INSTRUCTIONS

The foot control provides variable amperage control for your welding process:

- **Initiating the Arc:** Press the foot pedal down to initiate the welding arc.
- **Controlling Amperage:** The amount of pressure applied to the pedal directly controls the welding amperage. Pressing the pedal further down increases the amperage, while releasing pressure decreases it.
- **Terminating the Arc:** Fully release the foot pedal to terminate the welding arc.

Note: Always refer to your Miller Diversion welder's manual for specific settings and procedures related to foot control operation and welding parameters.

4. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your foot control:

- **Regular Cleaning:** Keep the foot control clean and free from dust, debris, and welding spatter. Use a dry cloth or compressed air. Avoid using harsh chemicals or solvents.
- **Cable Inspection:** Periodically inspect the 14 ft. cord for any signs of wear, cuts, or damage. Ensure the RJ45 connector is clean and free of corrosion. Replace if damage is observed.
- **Storage:** When not in use, store the foot control in a clean, dry environment, away from extreme temperatures and direct sunlight. Avoid coiling the cable too tightly.
- **Avoid Overloading:** Do not place excessive weight on the foot control or use it for purposes other than its intended function.

5. TROUBLESHOOTING

If you encounter issues with your Miller Diversion 165 FCS-RJ45 Foot Control, consider the following:

- **Foot Control Not Responding:**
 - Ensure the RJ45 cable is securely connected to both the foot control and the welding machine.
 - Check the cable for any visible damage or breaks.
 - Verify that the welding machine is powered on and configured to accept foot control input. Consult your welder's manual.
- **Inconsistent Amperage Control:**
 - Ensure the foot pedal mechanism is clean and free of obstructions that might hinder smooth movement.
 - Check for any loose connections in the RJ45 cable.
- **No Arc Initiation:**
 - Confirm that the welding machine is properly set up for TIG welding and that all other connections (work clamp, torch) are correct.
 - Verify that the foot control is fully depressed to initiate the arc.

If problems persist after performing these checks, contact Miller Electric customer support or a qualified service technician.

6. SPECIFICATIONS

Feature	Specification
Model Number	300432
Item Weight	2.95 pounds
Product Dimensions	6 x 1 x 1 inches
Cord Length	14 ft. (4.3 m.)
Connector Type	RJ45
Mounting Type	Freestanding
Compatibility	Miller Diversion welders
Manufacturer	Miller Electric
UPC	715959389259

7. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service for your Miller Diversion 165 FCS-RJ45 Foot Control, please refer to the documentation provided with your Miller welding machine or visit the official Miller Electric website. You may also contact Miller Electric customer service directly for assistance.

Miller Electric Contact Information:

Please refer to your product packaging or the official Miller Electric website for the most current contact details.