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- › [Campbell Hausfeld](#) /
- › Campbell Hausfeld CW209300AV Pressure Switch User Manual

## Campbell Hausfeld CW209300AV

# Campbell Hausfeld CW209300AV Pressure Switch User Manual

Model: CW209300AV

## PRODUCT OVERVIEW

The Campbell Hausfeld CW209300AV Air Compressor Pressure Switch is an authentic replacement part designed for various Campbell Hausfeld air compressor models. This component is crucial for regulating the air pressure within the compressor system, ensuring safe and efficient operation. It replaces the obsolete part number CW209300AJ.



Figure 1: Campbell Hausfeld CW209300AV Pressure Switch. This image shows the black pressure switch unit with a red on/off/auto knob, and various ports for air

and electrical connections. The Condor brand logo and model number MDR 11/11 EA are visible on the label.

## COMPATIBLE MODELS

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This pressure switch is compatible with the following Campbell Hausfeld Air Compressor models:

- VT633500
- VT632900
- EX840100
- VT619504
- VT627504
- VT631402
- EX840500
- VT627505
- VT631403
- VH611000AJ
- VH611200AJ
- VH611001AJ
- VH611201AJ
- VH631400AJ
- VH611300AJ
- VT6276
- VT6242
- VT5595
- VT5587
- VT6395
- VX8314
- VT558804
- VT619503
- VT627503
- VT623803
- VT6312
- VT630100
- VT6310
- VX832003
- VT631201
- VT631001
- VT632000
- VT6311
- VT6314

## SAFETY INFORMATION

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Always disconnect power to the air compressor before attempting any installation, maintenance, or repair. Failure to do so can result in serious injury or death. Wear appropriate personal protective equipment (PPE), including safety glasses and

gloves, during installation.

Ensure the air tank is completely depressurized before working on the pressure switch. Consult your air compressor's original manual for specific safety procedures.

## INSTALLATION GUIDE

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### Tools Required:

- Wrench set
- Screwdriver set (Phillips and flathead)
- Wire strippers/crimpers (if wiring connections need modification)
- Thread sealant tape (Teflon tape)

### Step-by-Step Installation:

1. **Disconnect Power:** Unplug the air compressor from the power source.
2. **Depressurize Tank:** Open the drain valve or use the pressure relief valve to completely release all air pressure from the tank.
3. **Identify Old Switch:** Locate the existing pressure switch on your air compressor. Note the electrical connections and air line connections.
4. **Disconnect Wiring:** Carefully disconnect all electrical wires from the old pressure switch. Take photos or label wires if necessary to ensure correct re-connection.
5. **Disconnect Air Lines:** Disconnect any air lines or tubes connected to the old pressure switch.
6. **Remove Old Switch:** Unscrew or unbolt the old pressure switch from its mounting location.
7. **Prepare New Switch:** Apply thread sealant tape to the threaded air inlet port of the new CW209300AV pressure switch.
8. **Install New Switch:** Screw the new pressure switch into the air compressor's manifold or tank connection. Tighten securely but do not overtighten.
9. **Reconnect Air Lines:** Reconnect all air lines and tubes to the appropriate ports on the new switch. Ensure connections are tight to prevent leaks.
10. **Reconnect Wiring:** Connect the electrical wires to the new pressure switch. Refer to your labels or photos to ensure correct polarity and connections. The switch is typically marked 'line' and 'motor' for wiring guidance.
11. **Secure Components:** Ensure all components are securely fastened and no wires are pinched.
12. **Test System:** Plug the air compressor back into the power source. Observe the pressure switch operation. It should turn the compressor on when pressure drops below the cut-in setting and off when it reaches the cut-off setting. Check for any air leaks around the new switch.

## OPERATING INSTRUCTIONS

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The Campbell Hausfeld CW209300AV pressure switch is designed for automatic operation. Once installed and wired correctly, it will automatically manage the air compressor's on/off cycles based on the tank pressure.

- **Automatic Mode:** Set the red knob on the pressure switch to the "AUTO" position for normal operation. The compressor will start when tank pressure drops and stop when it reaches the set maximum pressure.
- **Off Mode:** To turn the compressor off, rotate the red knob to the "OFF" position. This will stop the compressor motor and prevent it from restarting automatically.
- **Pressure Adjustment:** Some pressure switches allow for adjustment of cut-in and cut-off pressures. Refer to your

specific air compressor manual or the pressure switch's internal mechanism for adjustment procedures. *Note: The CW209300AV is a replacement part; its pressure settings are typically factory-set to match original equipment specifications.*

## MAINTENANCE

The CW209300AV pressure switch is a durable component designed for long life. Regular maintenance of your air compressor system will help ensure the longevity of the pressure switch and overall compressor performance.

- **Regular Inspection:** Periodically inspect the pressure switch and its connections for any signs of wear, corrosion, or loose wiring.
- **Leak Checks:** Regularly check for air leaks around the pressure switch connections using soapy water. Bubbles indicate a leak that needs to be sealed.
- **Cleanliness:** Keep the pressure switch free from excessive dust, dirt, and moisture, which can affect its operation.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Compressor does not start	No power to compressor Pressure switch in "OFF" position Faulty wiring connection Pressure switch malfunction	Check power supply and circuit breaker. Ensure switch is in "AUTO" position. Inspect and secure all electrical connections. Test switch continuity; replace if faulty.
Compressor runs continuously	Air leak in system Pressure switch malfunction (not cutting off)	Check for and repair air leaks. Replace pressure switch.
Air leaks around switch	Improperly sealed threads Loose connections	Reapply thread sealant tape and re-tighten. Tighten all air line connections.

## SPECIFICATIONS

- **Part Number:** CW209300AV
- **Replaces:** CW209300AJ
- **Manufacturer:** Campbell Hausfeld (Condor MDR 11/11 EA)
- **Switch Style:** Pressure Switch
- **Item Weight:** Approximately 4 ounces
- **Product Dimensions:** Approximately 2 x 1 x 1 inches
- **Compatibility:** Designed for various Campbell Hausfeld Air Compressor models (see Compatible Models section)
- **Features:** Standard duty replacement part, built strong for longer life.

## WARRANTY AND SUPPORT

For warranty information or technical support regarding your Campbell Hausfeld CW209300AV Pressure Switch, please refer to the official Campbell Hausfeld website or contact their customer service. As an authentic replacement part, it

typically falls under the manufacturer's standard warranty for replacement components.

For assistance with product issues or to ensure you have the correct switch, you may contact Condor USA Inc., the seller, at 1-866-878-1497 or via email at [amazon@condor-usa.com](mailto:amazon@condor-usa.com).