DM4-RW/DM4-ZW

WIRELESS DIGITAL MANIFOLDS

ACCESS DM4-W APP THROUGH JB GO

DM4-RW REVOLVER®

Leave hoses attached in convenient hanging case

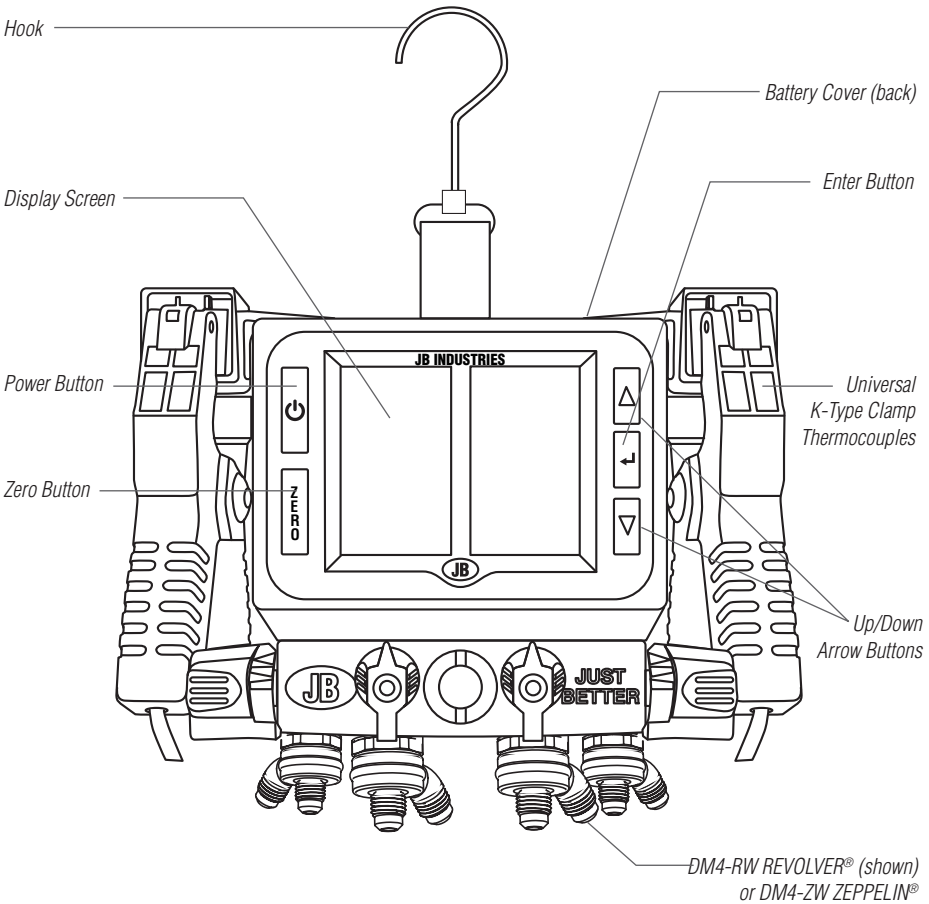
DM4-ZW ZEPPELIN®

OPERATING MANUAL

SPECIFICATIONS

Pressure Display Range	29 inHg to 800 psig
Temperature Display Range	-100° F to 999° F
Operating Temperature	-10° F to 120° F
Maximum Overpressure	1000 psi
Power Supply	Three AA alkaline batteries
Refrigerant Data Source	NIST REF PROP and Manufacturer Data
Dimensions	14" length x 13" width x 8.5" depth
Shipping Weight	9.75 lb (4.42 kg)
Warranty	1 year

FEATURES



OPERATING INSTRUCTIONS

Install Batteries

Remove battery cover with a Phillips head screwdriver. Insert three AA batteries.

Power Settings

To power on, press the POWER button for two seconds until unit beeps and displays welcome screen.

To power off, press and hold the POWER button for two seconds until unit beeps and powers down.

MAIN MENU SETTINGS

Access Main Menu

From home screen press the ENTER button.

Main Menu Options

- Favorite List
- Refrigerant
- Back Light
- Display Mode
- Pressure Unit
- Temp Unit
- User Cal
- Factory Setting

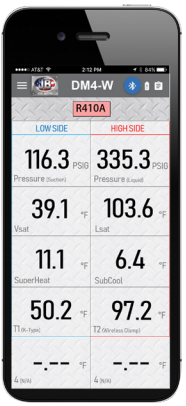
Exit Main Menu

Press ZERO button until home screen is displayed.

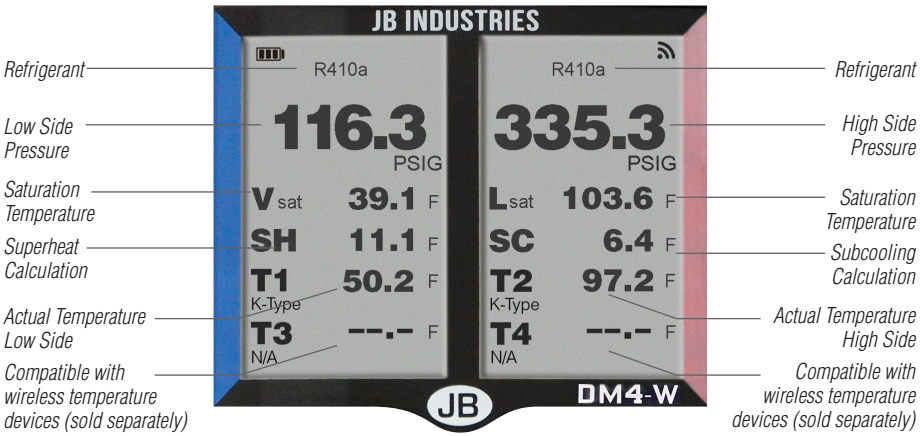
Install App on Smart Device:

To install the DM4-W app, scan the QR code below or search the App Store/Google Play for “JB GO”.

The JB GO App from JB Industries is designed to make working on-site with JB wireless and digital products accurate, fast and efficient. JB wireless and digital products have been designed to help technicians and contractors collect data, log and get accurate readouts while on-site. Our app is compatible with our Bluetooth wireless products.



Display Screen Features



Add Refrigerant to Favorites

1. Press the ENTER button to reach the main menu
2. Select and highlight **Refrigerant**
3. Press the ENTER button
4. Scroll to the desired refrigerant using UP ▲ and DOWN ▼ arrows
5. Press the ENTER button
6. Scroll to **Add Favorite**
7. Press ENTER button
8. On the left side of the screen “Data Saved” will appear when the list is updated

Remove Refrigerant from Favorites

1. Press the ENTER button to reach the main menu
2. Select and highlight **Favorite List**
3. Press the ENTER button
4. Scroll to the desired refrigerant using UP ▲ and DOWN ▼ arrows
5. Press the ENTER button
6. Scroll to **Delete Favorite**
7. Press ENTER button
8. On the left side of the screen “Data Saved” will show when the list is updated

Scroll through Favorites

From the home screen press the UP ▲ and DOWN ▼ arrows

Once the favorite refrigerant is reached, all readings will correlate to selected refrigerant

Change Back light

1. Press the ENTER button to reach the main menu
2. Select and highlight **Back Light**
3. Press the ENTER button
4. Scroll to the desired time using UP ▲ and DOWN ▼ arrows
5. Press the ENTER button
6. On the left side of the screen “Data Saved” will show when the back light is updated

Change Display Mode

1. Press the ENTER button to reach the main menu
2. Select and highlight **Display Mode**
3. Press the ENTER button
4. Scroll to the desired display mode using UP ▲ and DOWN ▼ arrows
5. Press the ENTER button
6. On the left side of the screen “Data Saved” will show and the screens will be updated

Change Pressure Units

1. Press the ENTER button to reach the main menu
2. Select and highlight **Pressure Unit**
3. Press the ENTER button
4. Scroll to the desired unit using UP ▲ and DOWN ▼ arrows
5. Press the ENTER button
6. On the left side of the screen “Data Saved” will show and the screens will be updated

Change Temperature Units

1. Press the ENTER button to reach the main menu
2. Select and highlight **Temp Unit**
3. Scroll to the desired unit using UP ▲ and DOWN ▼ arrows
4. Press the ENTER button
5. On the left side of the screen “Data Saved” will show and the screens will be updated

Zero Pressure to Atmosphere

To zero pressure to atmosphere press the ZERO button on the display

The unit will beep to acknowledge the transducers are zeroed to atmosphere

User Defined Calibration (Temperature)

1. Press the ENTER button to reach the main menu
2. Select and highlight **User Cal**
3. Press the ENTER button
4. Select and highlight **Temperature Cal**
5. Select **ADJ Left** for the left thermocouple or **ADJ Right** for the right thermocouple
6. Press the ENTER button
7. Use the UP ▲ to change the temperature reading up one digit
8. Use the DOWN ▼ to change the place of the cursor
9. Press ENTER button when complete

Reset User Defined Calibration (Temperature)

1. Press the ENTER button to reach the main menu.
2. Select and highlight **User Cal**
3. Press the ENTER button
4. Select and highlight **Temperature Cal**
5. Press the ENTER button
6. Select **Reset Left** for the left thermocouple or **Reset Right** for the right thermocouple
7. Press the ENTER button
8. This will reset to factory default settings; to reset both at the simultaneously select **FACT Default**
9. Press ENTER button when complete

User Defined Calibration (Pressure)

1. Press the ENTER button to reach the main menu
2. Select and highlight **User Cal**
3. Press the ENTER button
4. Select and highlight **Pressure Cal**
5. Press the ENTER button
6. Select **ADJ Left** for the left pressure transducer (low side) or **ADJ Right** for the right pressure transducer (high side)
7. Press the ENTER button
8. Use the UP ▲ to change the pressure reading up one digit
9. Use the DOWN ▼ to change the place of the cursor
10. Press ENTER button when complete

Reset User Defined Calibration (Pressure)

1. Press the ENTER button to reach the main menu
2. Select and highlight **User Cal**
3. Press the ENTER button
4. Select and highlight **Pressure Cal**
5. Press the ENTER button
6. Select **Reset Left** for the left pressure transducer (low side) or **Reset Right** for the right pressure transducer (high side)
7. Press the ENTER button
8. This will reset to factory default settings; to reset both at the simultaneously select **FACT Default**
9. Press ENTER button when complete

Zero Pressure Transducers

1. Press the ENTER button to reach the main menu
2. Select and highlight **User Cal**
3. Press the ENTER button
4. Select and highlight **Pressure Cal**
5. Press the ENTER button
6. Select **Zero Left** for the left pressure transducer (low side) or **Zero Right** for the right pressure transducer (high side)
7. Press the ENTER button

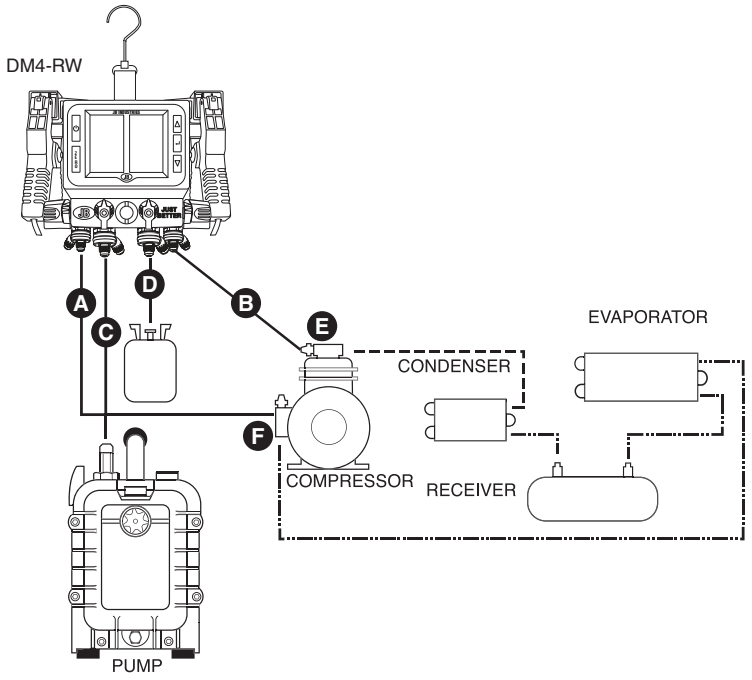
Troubleshooting

For advanced diagnosis contact JB Industries.

60+ Refrigerants

R11, R12, R13, R22, R23, R32, R113, R114, R123, R124, R125, R134A, R227EA, R290, R401A, R401B, R402A, R402B, R403B, R404A, R406A, R407A, R407C, R407F, R408A, R409A, R410A, R411A, R413A, R414B, R416A, R417A, R417C, R420A, R421A, R421B, R422A, R422B, R422C, R422D, R424A, R427A, R434A, R435A, R437A, R438A/MO99, R448A, R449A, R458A, R500, R502, R503, R507A, R508B, R600, R600A, R718, R744, R1234yf, R1234ZE.

EVACUATION AND CHARGING



CAUTION: Always consult manufacturer service manual or instruction sheet for recommended procedures	MANIFOLD				COMPRESSOR	
	A	B	C	D	E	F
	LOW SIDE	HIGH SIDE	EVACUATION PORT	CHARGING PORT	DISCHARGE SERVICE VALVE	SUCTION SERVICE VALVE
	BLUE	RED	BLACK	YELLOW	RED	BLUE
To observe operating pressures	Closed	Closed	Closed	Closed	Back seated and cracked open	Back seated and cracked open
To charge refrigerant through suction valves	Open	Closed	Closed	Open	Back seated and cracked open	Front seated
To charge oil through suction valve	Open	Closed	Open	Closed	Back seated	Front seated
To charge liquid refrigerant through discharge valve	Closed	Open	Closed	Open	Midway open	—
To build low pressure; for control setting or leak detecting	Open	Open	Closed	Closed	Back seated and cracked open	Midway open
To purge refrigerant from discharge valve	Closed	Open	Closed	Open	Back seated and cracked open	—
To evacuate with auxiliary vacuum pump	Open	Open	Open	Closed	Midway open	Midway open

PARTS LIST

PART NO.	DESCRIPTION
DM4-RW	Wireless REVOLVER® Digital Manifold with KOBRA® 60" hose set (4) in case
DM4-ZW	Wireless ZEPPELIN® Digital Manifold with KOBRA® 60" hose set (4) in case
DM4-CS	Digital manifold protective carrying case
DM4-TC	Temperature clamps
DM4-BRK	Brackets for clamps and strap
DM4-STRP	Strap with hook
DM4-BT	Protective boot
CCLE4-60	60" Gasket seal KOBRA® hose set (4)

RETURN FOR REPAIR

Every effort has been made to provide reliable, superior quality products. However, in the event your instrument requires repair, please contact JB Customer Service Department to obtain a Return Goods Authorization (RGA) number. Ensure that all returned products are packed to avoid any damage in shipment. Paperwork should be placed in a separate plastic bag and should include JB's assigned RGA number, a description of the problem and any customer assigned repair or purchase order number, if applicable.

Contact Customer Service for RGA number:

800.323.0811 Toll
800.552.5593 Toll Fax

Products should be shipped with freight prepaid to:

JB Industries
RGA#_____
601 N. Farnsworth Ave.
Aurora, IL 60505

WARRANTY

DM4 Wireless Digital Manifolds are warrantied against defects in materials and workmanship for 1 year from date of purchase. JB products are guaranteed when used in accordance with our guidelines and recommendations. Warranty is limited to the repair, replacement, or credit at invoice price, (our option) of products which in our opinion are defective due to workmanship and/or materials. In no case will we allow charges for labor, expense or consequential damage. Repairs performed on items out of warranty will be invoiced on a nominal basis; contact wholesaler for details. Additional product information available online at www.jbind.com.

WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

JB INDUSTRIES