

# PWT-BV Bypass Valve Manifold

## PRODUCT DATA

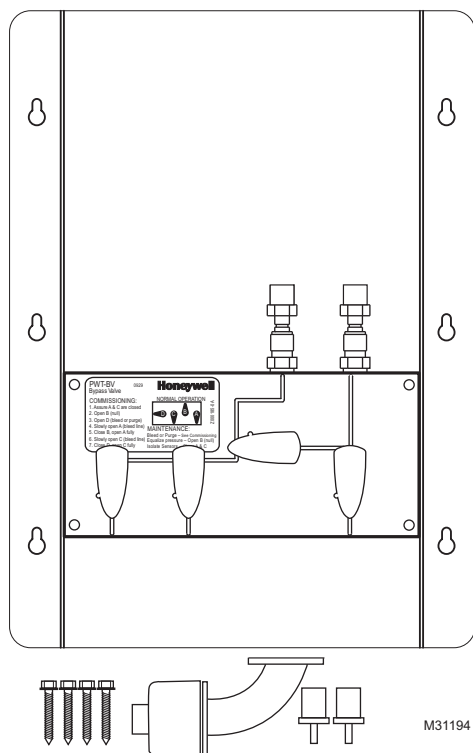


Fig. 1. PWT-BV

## APPLICATION

The Bypass Valve Manifold is designed for easy installation and maintenance of Honeywell PWT Series wet differential pressure sensors. The PWT Sensor is not included with the PWT-BV bypass valve.

## SPECIFICATIONS

**Operating Temperature:** -40° to 175°F

**Working Pressure:** 250 psi max.



## CAUTION

**This product is not intended for life or safety applications.**

Do not install this product in hazardous or classified locations.

Read and understand the instructions before installing this product.

Turn off all power supplying equipment before working on equipment.

The installer is responsible for conformance to all applicable codes.

## INSTALLATION

1. Install 3/16" male fittings into the PWT Sensor (not included) as shown. Use Teflon tape or thread sealer to ensure a leak-free seal. Align fitting tips so they extend an equal distance from the end of the PWT Sensor ports. Install 90° elbow to PWT Sensor (not included) as shown in Fig. 2.

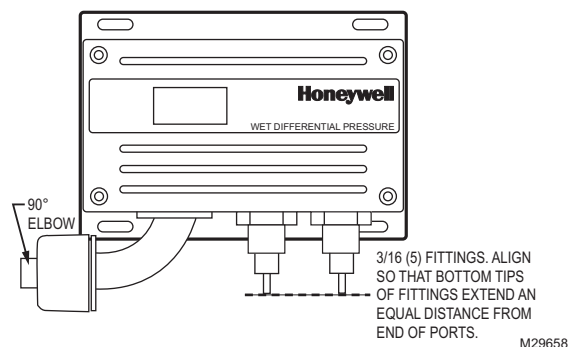
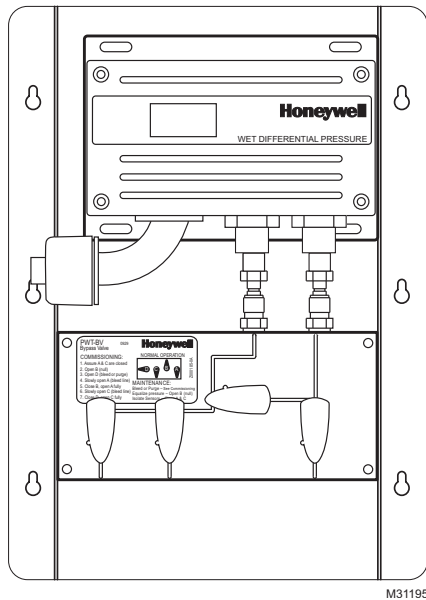


Fig. 2. Align fitting tips and install 90° elbow.



## PWT-BV BYPASS VALVE MANIFOLD

2. Connect PWT Sensor (not included) to the PWT-BV Bypass Valve Manifold as shown in Fig. 3. Configure complete assembly.



**Fig. 3. Connecting PWT Sensor (not included) to the PWT-BV Bypass Valve Manifold.**

3. Install the PWT Sensor (not included) per the installation instructions included with that product.
4. Commissioning
  - (a) Close C and D.
  - (b) Open B (null).
  - (c) Open D (bleed or purge).
  - (d) Slowly open A to bleed air from line.
  - (e) Close B, then fully open A.
  - (f) Slowly open C to bleed air from line.
  - (g) Close D, then fully open C.

VALVE POSITIONS: ALL CLOSED



**Fig. 4. Valve positions showing all valves closed.**

VALVE POSITIONS: ALL OPEN



**Fig. 5. Valve positions showing all valves open.**

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VALVE POSITIONS:  
NORMAL OPERATION

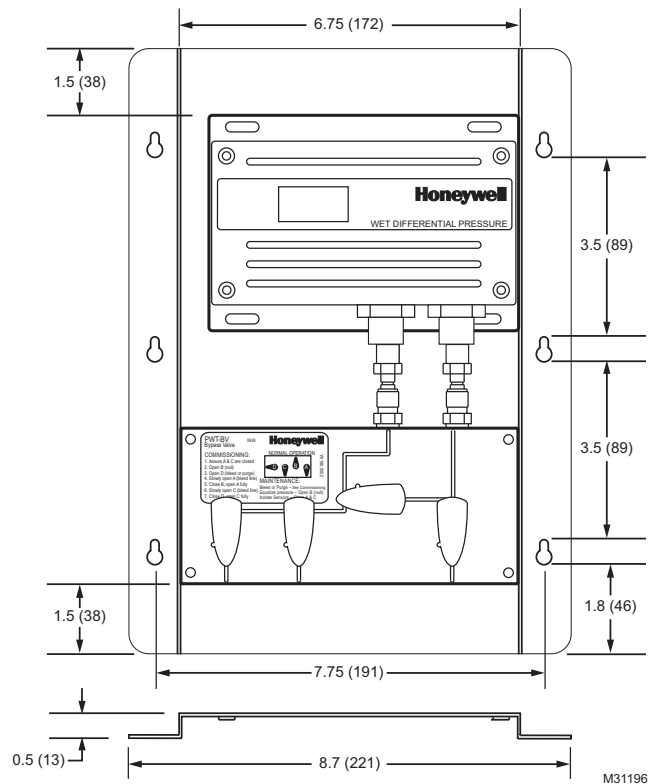


**Fig. 6. Valve positions showing all normal operation.**

## MAINTENANCE

1. Bleed or purge: follow Commissioning (step 4 of Installation).
2. Equalize pressure: open B.
3. Isolate sensors: close A and C.

## DIMENSIONS



**Fig. 7. Dimensional drawing of PWT-BV Bypass Valve Manifold showing PWT Sensor (not included) for reference only.**

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