‘MSR8’ PUSH TO CHARGE RELAY
“PNEUMATIC”

OPERATION

The BWB "MSR8" is a 2 way or 3 way, high pressure, manual push/spring return relay. It is normally installed in a control panel and can be used in several different applications as detailed below:

3-WAY NORMALLY OPEN: Port C - inlet  Port B - outlet  Port A - exhaust  
During normal operation, the spring holds the relay in the open position. The inlet (port C) is open to the outlet (port B) and the exhaust (port A) is blocked. When the knob is pushed in, the inlet (port C) is blocked and the outlet (port B) is open to the exhaust (port A). When the knob is released, the relay will return to the normal operating conditions.

3-WAY NORMALLY CLOSED: Port A - inlet  Port B - outlet  Port C - exhaust  
During normal operation, the spring holds the relay in the closed position. The inlet (port A) is blocked and the outlet (port B) is opened to the exhaust (port C). When the knob is pushed in, the inlet (port A) is opened to the outlet (port B) and the exhaust (port C) is blocked. When the knob is released, the relay will return to the normal operating conditions.

2-WAY NORMALLY OPEN: Port C - inlet  Port B - outlet  Port A - plugged  
During normal operation, the spring holds the relay in the open position. The inlet (port C) is open to the outlet (port B). When the knob is pushed in, the inlet (port C) and the outlet (port B) are blocked. When the knob is released, the relay will return to the normal operating conditions.

2-WAY NORMALLY CLOSED: Port A - inlet  Port B - outlet  Port C - plugged  
During normal operation, the spring holds the relay in the closed position. The inlet (port A) is blocked to the outlet (port B). When the knob is pushed in, the inlet (port A) and the outlet (port B) are open. When the knob is released, the relay will return to the normal operating conditions.

FEATURES

- 316 Stainless Steel Materials
- 150 PSI (10.34 bar) MAWP
- Available without spring for push/pull applications. (Assembly No.- M8)
- 1/2” Female NPT Connections

SERVICE CLASSIFICATION

STANDARD SERVICE: VITON O-RINGS
TEMPERATURE RANGE: -15° to 250 °F (-26° to 121 °C)
SPECIAL SERVICE: O RING COMPOUNDS AND MATERIALS TO CUSTOMER REQUIREMENTS

PANEL MOUNT

1 9/16” (39.67mm) Diameter Hole
Maximum Panel Thickness .25” (6mm)

WEIGHTS

MSR8  -  6 POUNDS
INSTALLATION

**PORT 'A'**
- Normally Open
- Inlet or Exhaust
- 30 to 150 PSI
  - (2.06 to 10.34 BAR)

**PORT 'B'**
- Supply Pressure Outlet

**PORT 'C'**
- Normally Closed
- Inlet or Exhaust
- 30 to 150 PSI
  - (2.06 to 10.34 BAR)

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**REPAIR KIT(S):**
- Contains all seals and O rings

**DIMENSIONS**

Please note that Warranty and Repair Kit information on BWB Products are located on our website

Designed and Manufactured using Safe Engineering Practices