



Dry Magnetic Latch Solenoid with Isolating Membrane & Hydraulic Base 3-Way, 12VDC Latch, 2- Leads

S-982-3W

The BERMAD Model S-982-3W actuator is neutralized from water damage by a membrane, which hermetically isolates it from the water. It can control valves independently or in combination with other control circuit accessories. The hydraulic base features a manual override and consists of a bracket for attaching to the valve or to a solenoid manifold.

Electrical Data:

Voltage Range: 12-50 VDC

Coil Resistance: 4.2Ω

Pulse Width: 20-100 mSec.

Required Capacitor: 4700μF

Operation Modes (electrical connections):

+ Red & - Black: Solenoid vents

+ Black & - Red: Solenoid pressurizes

Pressure & Flow Data:

Operating Pressure Range: 0-10 bar

Base Orifice Diameter: 2.2 mm

Base Flow Factor:

Pressure port Kv = 0.12 m³/h @ 1 bar ΔP

Cv = 0.14 GPM @1 psi ΔP

Exhaust port Kv = 0.14 m³/h @ 1 bar ΔP

Cv = 0.16 GPM @1 psi ΔP

Connections:

1- Vent 2- Valve Control Chamber 3- Pressure



Dry Magnetic Latch Solenoid with Isolating Membrane & Hydraulic Base 3-Way, 12VDC Latch, 3- Leads

S-985-3W

The BERMAD Model S-985-3W actuator is neutralized from water damage by a membrane, which hermetically isolates it from the water. It can control valves independently or in combination with other control circuit accessories. The hydraulic base features a manual override and consists of a bracket for attaching to the valve or to a solenoid manifold.

Electrical Data:

Voltage Range: 12-50 VDC

Coil Resistance: 2 Coils - 4.2Ω On; 7.5Ω Off

Pulse Width: 20-100 mSec.

Required Capacitor: 4700μF

Operation Modes (electrical connections):

+ White: Fixed Common

- Red: Solenoid vents

- Black: Solenoid pressurizes

Pressure & Flow Data:

Operating Pressure Range: 0-10 bar

Base Orifice Diameter: 2.2 mm

Base Flow Factor:

Pressure port Kv = 0.12 m³/h @ 1 bar ΔP

Cv = 0.14 GPM @1 psi ΔP

Exhaust port Kv = 0.14 m³/h @ 1 bar ΔP

Cv = 0.16 GPM @1 psi ΔP

Connections:

1- Vent 2- Valve Control Chamber 3- Pressure



Solenoid Valve for Remote Terminal Unit (RTU)

BERMAD's Solenoid Valve for Remote Terminal Unit (RTU) is a solenoid pilot valve controller used in remote control irrigation via radio or cable. It is a battery operated, self-contained unit, suitable for use in irrigation applications with a master radio control system.

Note: RTU units can be purchased only through Motorola® irrigation control department.

For further details please contact: IRRI.net.marketing@motorola.com

