SMART IRRIGATION SOLENOID CONTROLLER

With 3-Way Hydraulic Base

GreenApp 402

The BERMAD GreenApp 402 is Smart, flexible, easy to use, Bluetooth single station irrigation controller integrate with a 3-Way solenoid actuator for easy and compact installation on any control valve.

The BERMAD controller Model GreenApp 402 is a compact battery operated 3-Way latching solenoid pilot valve comprised of two main components: a controller integrate with solenoid actuator and a 3-Way hydraulic pilot valves.

The BERMAD GreenApp 402 can control valves independently or in combination with other control circuit accessories. The controller consumes power only when switching positions, using a very short electric pulse. This prolongs life of batteries. The hydraulic base features a manual override and includes a bracket for valve or solenoid manifold assembly. With the BERMAD GreenApp 402 you can connect to a free (Android and iOS) user-friendly app, and manage your irrigation from your smart-phone or tablet.

Features & Benefits

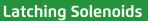
- Easy to install, simple to operate
 - Install the solenoid the controller is already included
 - Intuitive intuitive app provides easy programming
- Advanced Construction Materials, Unique Plastic Casing
 - Proven pressure, voltage and weather resistance
 - Change settings using the app from 10-30m; 30-90fNo wires and no screen keypad is in your pocket
 - Durable in all environment conditions
 - Protection Class- IP68; NEMA Type 6D
- Superb Internal Design and Finish
- Reliable operation under dirt loaded water
- Low power consumption
 - Powered by two placeable alkaline 1.5v AA batteries
 - Bluetooth 4.0 communication require ultra-low energy
 - Up to three years of continuous operation
 - Time based irrigation control
- Irrigation cycles control by days and hours
 - Irrigation duration from 1 minute to 24 hours
 - Weekly and cyclic programming
 - Option of naming and managing multiple controllers
- Hydraulic Base with Installation Bracket
 - High flow capacity quickens valve response
 - No dirt sedimentation inside solenoid actuator
 - Manual override open and close
 - Simple installation to valve or manifold
- Reliable and Durable Product that carries the Stamp of BERMAD Quality





Typical Applications

- Systems distanced from control center
- Unavailable power supply locations
- Solenoid controlled on/off valves
- Solenoid controlled pressure and flow control valves



Technical Data

Base Ports: 1/8" NPT

Vent
Valve Control Chamber

3- Pressure

Valve Anchoring:

By Screws (Self Tapping #8) at the Solenoid base Operating Pressure Range: 0-10 bar (Plastic Base); 0-16 bar (Metal Base) Base Orifice Diameter: 2.2mm (Plastic Base); 0.9mm (Metal Base)

Base Flow Factor for Plastic Base: Kv = 0.12 m³/h @ 1 bar ΔP ; Cv= 0.14 GPM @1 psi ΔP

Base Flow Factor for Metal Base: Kv=0.026 m3/h@1 bar ΔP ; Cv= 0.03 GPM @1 psi ΔP

Materials:

Actuator Casing: Nylon Seals: NBR Wetted parts: Stainless Steel 400 and polyamide Base: Nylon (Optional: Brass)

