#### With 3-Way Hydraulic Base

## GreenApp 402

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

The BERMAD GreenApp 402 is a compact battery operated 3-Way latching solenoid pilot valve comprised of two main components: a controller integrated 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, which 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 includedIntuitive 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; 30-90f
  - No 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

GreenApp 402

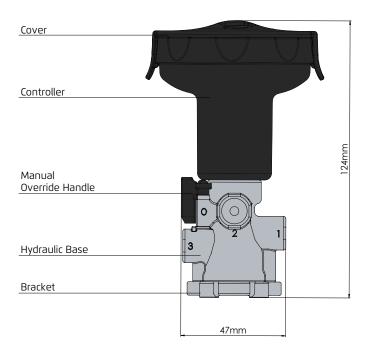
Base Ports: 1/8" NPT 1- Vent 2- Valve Control Chamber 3- Pressure

## Valve Anchoring:

By Screws (Self Tapping #8) at the Solenoid base Operating Pressure Range: 0-10 bar (Plastic Base); Base Orifice Diameter: 1.5mm (Plastic Base); Base Flow Factor for Plastic Base:  $Kv = 0.08 \text{ m}^3/\text{h} @ 1 \text{ bar } \Delta P$ ;  $Cv= 0.09 \text{ GPM } @1 \text{ psi } \Delta P$ 

#### Materials:

Actuator Casing: Nylon Seals: NBR Wetted parts: Stainless Steel 400 and polyamide Base: Nylon



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