



# SMART IRRIGATION SOLENOID CONTROLLER

## With 3-Way Hydraulic Base

### GreenApp 3-Way

The BERMAD GreenApp 3-Way 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 3-Way 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 3-Way 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 3-Way 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; 30-90f
  - 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

**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:**

$K_v = 0.08 \text{ m}^3/\text{h} @ 1 \text{ bar } \Delta P;$

$C_v = 0.09 \text{ GPM} @ 1 \text{ psi } \Delta P$

### Materials:

**Actuator Casing:** Nylon

**Seals:** NBR

**Wetted parts:** Stainless Steel 400 and polyamide

**Base:** Nylon

