

# Agriculture economical Irrigation controller

### BIC 100 AC/DC

The BERMAD BIC 100 is an innovative, time based, user friendly controller that offers a full range of features for complete control of agriculture irrigation, fertigation and filtration applications. The BERMAD BIC 100 Controller incorporates an easy to use programming interface with a modular hardware configuration that allows up to 10 outputs and is available in AC or DC.



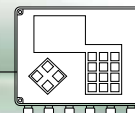
### Features and Benefits

- Modular hardware – Versatile and flexible adaptation to the farmer's needs
- Built in Fertilizer injection control – Efficient chemicals implementation for increased yields, and profitability.
- Filtration control – Improves water quality to protect the irrigation system and water conservation.
- Versatile irrigation programs
  - Three programs for up-to 10 valves operating sequentially
  - 6 start times for each irrigation program
  - Independent water and fertilizer run times per each valve
  - Frost protection, Cooling procedure or any other program started by a sensor
  - Main valve control
  - Pump control
  - Adjustable water run-time per program (0-250%) and unlimited rain delay

### Typical Application

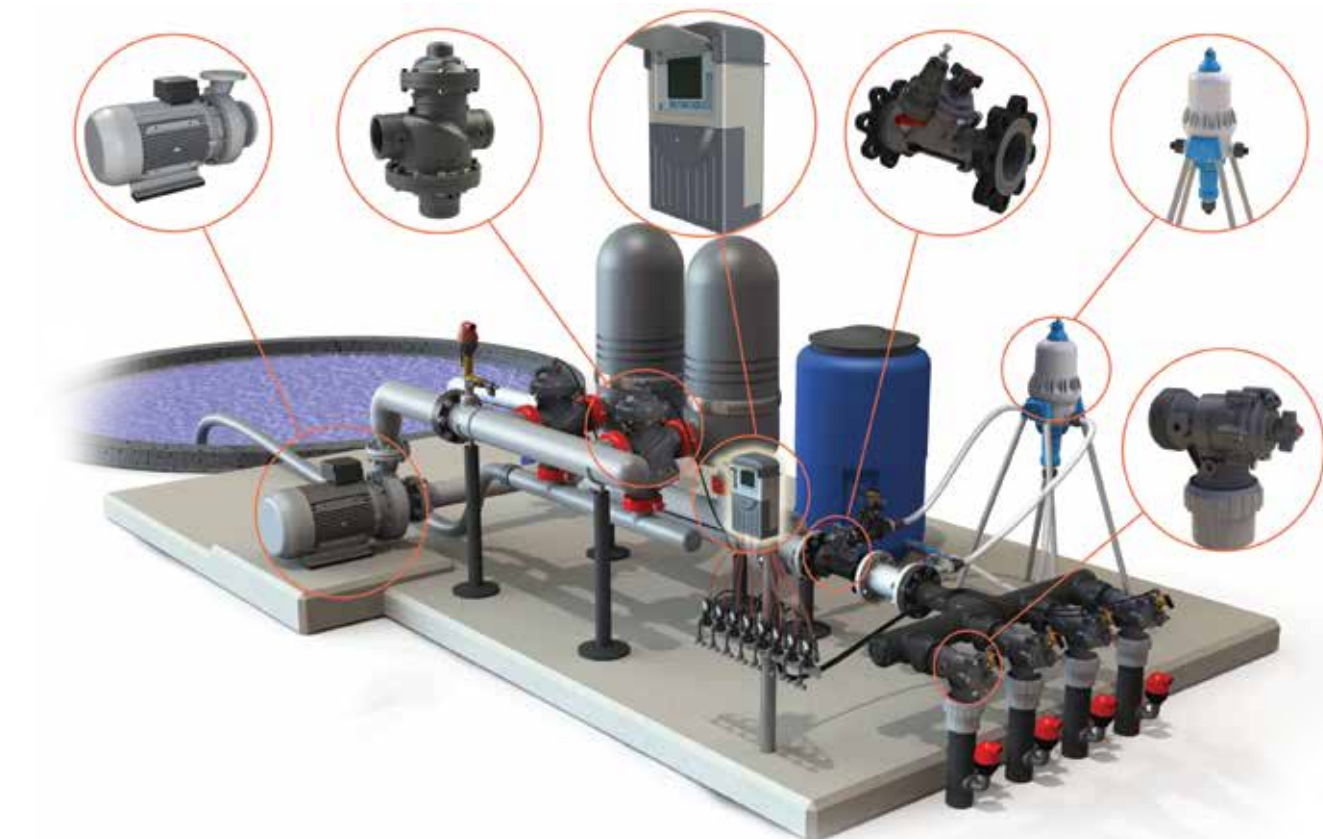
- Professional time based irrigation control
- Irrigation controller for open field, orchard, vineyard, mesh houses and greenhouses
- Irrigation control of up to 10 zones in the AC or DC models.





### Connectivity with field's control components

- 2, 4, 6, 8 or 10 12VDC Latch or 24VAC outputs
- User configurable main valve or pump



### Technical Specifications:

- Enclosure: UV Resistant ABS
- Temperatures: Ambient: (-17) to 60°C; (-4) to 140°F, Storage: (-30) to 70°C; (-22) to 158°F
- Protection Rating: IP67; NEMA 4X
- Dimensions: Length: 145 mm; 5<sup>11</sup>/<sub>16</sub> inch, Height: 235 mm; 9<sup>1</sup>/<sub>4</sub> inch, Width: 80 mm; 3<sup>1</sup>/<sub>8</sub> inch
- Weight: 0.7Kg; 1.9 lbs

### Power Supply:

DC Outputs: 12V 3aH rechargeable battery  
4xD Size alkaline batteries

AC Outputs: 24 / 120 / 220V AC

### Configuration Options

Parameter	Type	Accessories	BIC 100	
			DC Model	AC Model
Form of irrigation	Time		✓	✓
	SMART Control	Sensor	✓	✓
Type of outputs	AC			✓
	DC Latch	Controller Direct	✓	
Type of inputs	Local	Dry contact (DP)	✓	✓
Power source	110VAC / 220VAC	With 9V alkaline back-up battery		✓
	24VAC External power supply			✓
	Rechargeable 12V battery	10W solar panel	✓	
	4xD Size Alkaline batteries		✓	
Number of outputs			2 - 10	2 - 10
Number of inputs			3	3

