

Agriculture economical Irrigation controller

BIC 100 AC or 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.



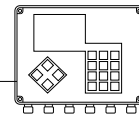
Features and Benefits

- **Modular hardware** – Versatile and flexible adaptation to the farmer's needs
- **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
 - Fertilizer booster 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 and fertilizer booster 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; 5¹¹/₁₆ inch
 - Height: 235 mm; 9¹/₄ inch
 - Width: 80 mm; 3¹/₈ inch
- Weight: 0.7Kg; 1.9 lbs

Electric Data:

- Power Supply:
 - DC: 12V 3aH rechargeable battery
6V DC 4 "D" Size Alkaline batteries
 - AC: 24V / 120V / 220V

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 Supply	110VAC / 220VAC	With 9V alkaline back-up battery		✓
	24VAC Power supply			✓
	Rechargeable 12V battery	10W solar panel	✓	
	4 "D" Size Alkaline batteries		✓	
Number of outputs			2 - 10	2 - 10
Number of inputs			3	3

