

Controllers

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.







BIC 100 AC/DC Controllers

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



- Protection Rating: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 battery6V DC 4 "D" Size Alkaline batteries
 - AC: 24V / 120V / 220V

Configuration Options

| Parameter | Туре | Accessories | BIC 100 | |
|--------------------|-------------------------------|----------------------------------|----------|----------|
| | | | DC Model | AC Model |
| Form of irrigation | Time | | ✓ | ✓ |
| | SMART Control | Sensor | ✓ | ✓ |
| Type of outputs | AC | Controller Direct | | √ |
| | DC Latch | | ✓ | |
| 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 |

