Bermad Irrigation

Multi-function Irrigation Controller

BIC 1000 AC or DC

Bermad BIC 1000 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 1000 controller incorporates an easy, intuitive programming interface with a modular hardware configuration that allows up to 36 outputs and is available in AC or DC models with built-in optional Radio RTUs.

BIC 1000 AC is cloud enabled for cellular remote control, when using the optional modem.

Features and Benefits

- **Modular hardware** – Versatile and flexible adaptation to the farmer’s needs
- **Hydraulic system protection**
  - Overlapping or delayed valve switching
  - Main valve operation control, delayed, advanced, or together with the irrigation valves
  - Adjustable power up delay after power outage for pump protection
  - High pressure alert
- **Versatile irrigation programs**
  - Four programs for unlimited number of valves or groups per program
  - Independent water and fertilizer run times per each valve
  - Each program can be configured for pulse irrigation
  - Frost protection, cooling procedure or any other program started by a sensor
  - Seasonal adjustable water run-time per program (0-250%) and unlimited rain delay
- **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
- **User interface** - Program status review & password protected configuration screens
- **Remote monitoring and Control of the Irrigation System (AC only)**

Typical Applications

- Professional time based irrigation control of small to medium fields
- Crops in single open field, trees, mesh houses, and greenhouse
- Filter flush controller up-to 36 filters with optional individual flush time per filter
- Irrigation control of up to 36 zones in the AC model and 32 in the DC model
Communication and Connectivity:
- DC Model - Built-in Radio RTU for 2-Way communication with remote valves
- AC Model - Uniliner Two-wire single cable or Radio RTU for two-way communication with remote valves

Cellular Communication using Spot Website

Technical Specifications:
- Construction Materials: 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 X4
- Dimensions:
  - Length: 400 mm; 15¾ inch
  - Height: 300 mm; 11³/₁₆ inch
  - Width: 180 mm; 7³/₁₆ inch
- Weight: 6 Kg; 16.2 lbs

Configuration Options

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Type</th>
<th>Accessories</th>
<th>DC Model</th>
<th>AC Model</th>
<th>RF</th>
<th>2 Wires</th>
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<td>Form of irrigation</td>
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<td>Sensor</td>
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