Designed to control commercial irrigation systems with no A.C. power, the Irritrol IBOC® Plus controller operates with a battery or its optional SPC-2 solar power converter. For dependable performance in commercial applications, the IBOC® Plus comes with features like a steel cabinet and key/lock door and an optional, steel, locking pedestal for free-standing installations. Built tough and tight for vandal and weather resistance and with the programming flexibility for irrigating demanding landscapes, the Irritrol IBOC® Plus is the commercial grade controller to specify when there is no A.C. available. Irritrol. Get more done.
ADDED FEATURES
• Solar power converter can be mounted up to 80 feet (24 meters) from IBOC Plus (SPC-2 option)
• Programmable “Rain Delay” postpones automatic operation for up to 30 days
• Program review and erase
• Large, easy-to-read LCD displays English or Spanish
• One- to 10-minute programmable test cycle
• Fully programmable manual cycle acts like a fourth temporary program
• Selectable, programmable master valve
• 365-day calendar with automatic leap year adjustment
• Start-time stacking within each program
• Station stacking for up to three stations plus master valve at one time
• Enhanced lightning protection
• Water budgeting
• Electronic circuit breaker detection for open and shorted conditions
• Battery capacity displayed in remaining percentage
• Optional rain sensor input selectable by program
• Five-year warranty

OPERATING SPECIFICATIONS
• Station run times: 1-minute to 23 hours, 59 minutes
• Start times: 8 per program for up to 24 daily starts
• Watering schedule: 7-day calendar, odd/even date with day exclusion or 1-62 skip days
• Water budgeting: 10-200% in 10% increments

ELECTRICAL SPECIFICATIONS
• Powered by one 6-volt alkaline battery or one SPC-2 (solar power converter)
• Output: 24 V dc latching
• Master valve output 24 V dc latching
• Rain sensor input selectable per program
• Irritrol, Hardie and Richdel valves must be converted from AC with 24 V dc latching solenoids (E2003 or DCL)
• Maximum operating pressure: 120 psi (8.27 Bars)

OPTIONAL ACCESSORIES
• RS500 Wired Rain Sensor
• Pedestal mount (P-2B: all station models)
• Solar converter (SPC-2; includes batteries)
• E2003 or DCL latching solenoid

SOLAR OPTION*
Simple mounting on top of any IBOC Plus controller model or mounted up to 80 feet (24 meters) from the controller
Maintenance-free gel cell battery: 3-year life
Solar load ratio: 6-to-1 (provides full power to IBOC Plus with only two hours of direct sunlight per day)
Output:
25-27 V dc/50mA
Solar amphrs. per day:
600mA, typical
Load amphrs. per day:
100mA, typical
Operation temperature:
-22°F to +60°F (-30°C to +16°C)
Storage temperature:
-40°F to +80°F (-40°C to +27°C)

SPECIFYING INFORMATION

CONTROLLERS TO VALVES

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<thead>
<tr>
<th>Distance (ft.)</th>
<th>400</th>
<th>600</th>
<th>1000</th>
<th>1600</th>
<th>2400</th>
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<td>Wire size (Awg)</td>
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<td>16</td>
<td>14</td>
<td>12</td>
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<td>METRIC Wire size (mm2)</td>
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<td>3.5</td>
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</table>

SOLAR POWER CONVERTER REMOTE MOUNTING WIRE SIZING

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<tbody>
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<tr>
<td>METRIC Wire size (mm2)</td>
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<td>Distance (m)</td>
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<td>24</td>
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</table>

*Note: The SPC-2 option must be purchased separately. The IBOC Plus is not designed to be supplied power by both a battery and the solar converter at the same time.