

HYBRID

IBOC PLUS SERIES

CONTROLLERS



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Irritrol Systems is going full-force into the new millennium with its IBOC Plus Series controller. Tracing its roots back to the popular IBOC Series, this battery-operated hybrid controller offers unique solar- or battery-powered options to provide full power from just two hours of sunlight per day.

This outdoor controller's advanced features include non-volatile memory and enhanced lightning protection for dependable performance. And three independent programs with eight start times per program for concurrent operation capability and flexible scheduling.

The IBOC Plus Series — dependability and performance all in one.

**Irritrol**<sup>®</sup>  
SYSTEMS

**IBOC PLUS SERIES**

**C O N T R O L L E R S**

**4, 8 and 12**  
station models (outdoor)

**Features**

**Flexible Programming**

- Three independent programs offer concurrent operation capability
- Odd/even day calendar with day exclusion; seven-day calendar; or one to 62 skip days
- Station water times in one-minute increments up to 23-hour-and-59-minutes
- Eight start times per program for up to 24 daily start times

**Easy Operation**

- 6 VDC power or optional solar-powered battery
- Solar-powered converter can be mounted up to 80 feet from IBOC Plus (SPC-2 option\*)
- Non-volatile memory retains all program data (and real time for 10 minutes)
- Programmable "Rain Delay" postpones automatic operation for up to 31 days
- Large, easy-to-read LCD displays English or Spanish
- One- to 10-minute programmable test cycle

- Selectable, programmable master valve
- 365-day calendar with automatic leap year adjustment

**Quality Enhancements**

- Start-time stacking within each program
- Enhanced lightning protection
- Water budgeting from 10-200%
- Electronic circuit breaker detection for open and shorted conditions

**Electrical Specifications**

- Powered by one six-volt alkaline battery or one SPC-2 (solar-powered converter)
- Output: 24 VDC latching
- Master valve output per program
- Installed Irritrol Systems, Hardie and Richdel valves must be converted from AC with 24 VDC latching solenoids (E2002-A)
- Max. operating pressure: 120 psi

**Controllers to Valves**

Wire size (Awg)	20	18	16	14	12
Distance (ft.)	400	600	1000	1600	2400

**Solar Option**

- SPC-2 mounts on top of any IBOC Plus controller model or mounted up to 80 feet from the controller

- Maintenance-free gel cell battery: three-year life
- Solar to load ratio: 6-to-1 (provides full power to IBOC Plus from as little as 2 hours of sunlight)
- Output: 25-27 VDC/50mA
- Solar amp/hrs. per day: 600mA, typical
- Load amp/hrs. per day: 100mA, typical
- Operating temperature: -30°C (-22°F) to +60°C (140°F)
- Storage temperature: -40°C (-40°F) to +80°C (176°F)

**Solar Power Converter**

**Remote Mounting Wire Sizing**

Wire Size (Awg)	16	14	12
Distance (Ft.)	30	50	80

**Dimensions**

IBOC Plus

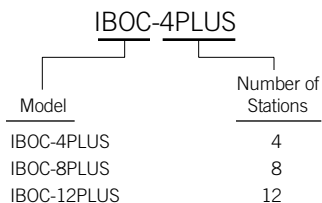
SPC-2

Height: 9¼"	Height: 4⅞"
Width: 10¾"	Width: 10⅜"
Depth: 5¼"	Depth: 3⅜"

**Optional Accessories**

- Solar converter (SPC-2; includes its storage batteries)
- Pedestal mount (P-2B; all station models)

**MODELS HOW TO SPECIFY**



NOTE: The SPC-2 option must be purchased separately.



BEYOND THE EXPECTED

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