

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- and solar/battery-powered options to provide full power for up to 20 days without sun.

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[®]
SYSTEMS

IBOC PLUS SERIES

CONTROLLERS

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 to 23-hour-and-59-minute increments
- Eight start times per program for up to 24 daily start times

Easy Operation

- 6 VDC-powered, solar-powered or combined battery/solar-powered
- Solar-powered converter can be mounted up to 1,000 feet from IBOC Plus (SPC-1 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-1 (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)
- 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

- Simple, hassle-free mounting on top of any IBOC Plus controller model or mounted up to 1,000 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 for up to 20 days without sun)
- 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)	20	18	16
Distance (Ft.)	200	500	1000

Dimensions

IBOC Plus

SPC-1

Height: 9 1/4" Height: 4 5/16"

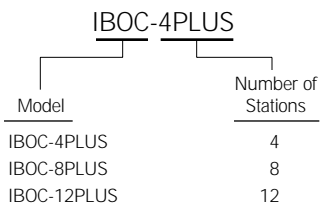
Width: 10 3/4" Width: 10 3/8"

Depth: 5 1/4" Depth: 3 3/8"

Optional Accessories

- Solar converter (SPC-1; includes 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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