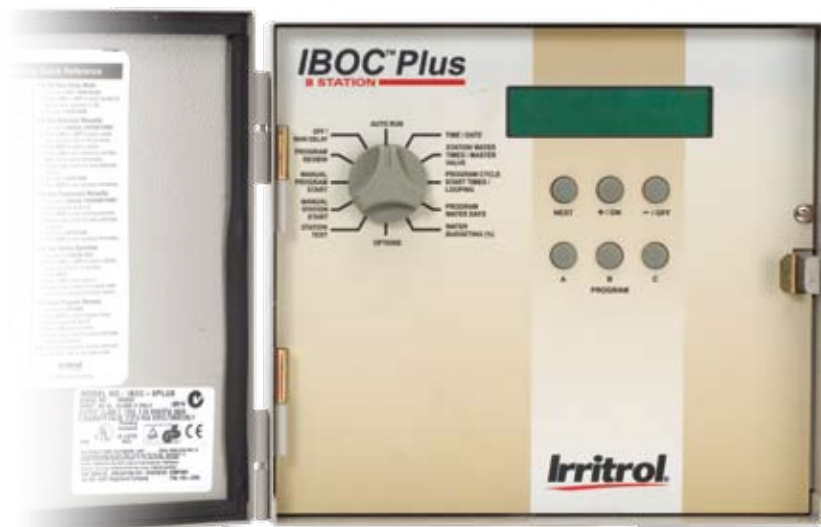


IBOC® PLUS SERIES HYBRID

**4, 8, AND 12 STATION
OUTDOOR**



IBOC-8PLUS

**DEPENDABLE POWER
WHEN THERE'S
NO A.C.**

KEY FEATURES & BENEFITS

BATTERY, 6 V DC POWER OR OPTIONAL SOLAR POWER

Provides operation in areas with no AC power

COMMERCIAL-GRADE, LOCKABLE STEEL CABINETS AND PEDESTALS

For vandal resistance and longer service life

THREE INDEPENDENT PROGRAMS

Offer concurrent operation capability and scheduling flexibility

ODD/EVEN-DAY CALENDAR WITH DAY EXCLUSION; SEVEN-DAY CALENDAR; OR ONE TO 62 SKIP DAYS

To match water restrictions and varied plant water requirements

NON-VOLATILE MEMORY

Retains all program data for reliable operation

PROGRAM CYCLE LOOPING

Provides continuous program repeat operation within a selectable watering window for "grow in" periods

Designed to control commercial irrigation systems with no A.C. power, the Irritrol IBOC® Plus controller operates with a battery or it's 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 amp/hrs. per day:

600mA, typical

Load amp/hrs. 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)



IBOC-4PLUS/SPC-2

*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.

SPECIFYING INFORMATION

CONTROLLERS TO VALVES

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

METRIC

Wire size (mm2)	,5	,8	1,5	2,5	3,5
Distance (m)	120	180	300	480	700

DIMENSIONS

	IBOC Plus	SPC-2
H	9 1/4" (235mm)	4 9/16" (116mm)
W	10 3/4" (273mm)	10 3/4" (264mm)
D	5 1/4" (133mm)	3 3/8" (86mm)

SOLAR POWER CONVERTER REMOTE MOUNTING WIRE SIZING

Wire size (Awg)	16	14	12
Distance (ft.)	30	50	80

METRIC

Wire size (mm2)	,5	,8	1,5
Distance (m)	9	15	24

MODEL	NUMBER OF STATIONS
IBOC-4PLUS	4
IBOC-8PLUS	8
IBOC-12PLUS	12



IBOC-12PLUS/SPC-2 ON P-2B