

HYDRO-RAIN®

Built for Speed™

HRC 990

Setting a new standard in battery operated controllers, the HRC 990 is the answer to those difficult situations when installing burial wire is not possible or desired. HRC 990 is tough enough for installation in a below ground, valve box environment while providing years of no hassle, reliable service. Never before has there been a product that is designed to stand up to such a rugged environment and yet be so easy to use. HRC 990's plug-in controller programming pod allows you the luxury of removing the pod from its water tight housing for the convenience of finger tip, out-of-the-valve-box programming. Installation is fast and easy—just plug and go. Add up to four valves, moisture or rain/freeze sensor, and/or solar power module, all without the use of tools and without the hassle.

BUILT FOR SPEED ADVANTAGES

- **Unique Water Tight Plug-in System**—Requires no splices or wire connectors.

FEATURES AND BENEFITS

- **Battery Powered**—Wire-free installation provides convenience and speed (3 AA batteries included).
- **Two Independent Programs (A and B)**—Programming flexibility previously only available in larger AC system controllers.
- **Modular**—Base unit HRC 990 accepts up to 4 DC solenoid modules. One solenoid is included with base unit, additional solenoids sold separately.
- **Universal Design**—For use with multiple brands of valves including: Hydro-Rain® HRB, HRJ, Rainbird® PEB, PESB, DV, Irritrol 205 Series, and more (adapters included).
- **Water Budgeting**—Saves water by adjusting the watering durations (10% to 200%).
- **Rain Delay**—Postpones regular watering schedule for 24, 48, 72 hours and resumes automatic watering when set time has passed.
- **Submersible**—Functions properly submersed up to 4'.
- **Moisture Sensor Ready**—Let the water content in the soil determine watering schedules with the Moisture Module (HRC 990 MS MD sold separately).
- **Solar Power Ready**—Go battery-free by harnessing power from the sun with the solar power module (HRC 990 SP MD sold separately).



MODELS SKU DESCRIPTION

MODELS	SKU	DESCRIPTION
HRC 990 04 01	04020	1 to 4 Station Controller/13 V DC Solenoid
HRC 990 SD MD	04010	13 V DC Latching Solenoid
HRC 990 RS MD	04014	Rain/Freeze Module for HRC 990
HRC 990 SP MD	04011	Solar Power Module for HRC 990
HRC 990 MS MD	04021	Moisture Sensor Module for HRC 990
HRC 990 PE AD	04022	HRB/PEB Solenoid Adapter
HRC 990 DV AD	04023	DV Solenoid Adapter
HRC 990 UN AD	04024	Universal DC Pigtail Adapter

HOW TO SPECIFY

HRC 990 04 01

MODEL/SIZE	TYPE	COLOR
HRC 990	Four Valves	Black with Blue Cover



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- **High Environment Tolerance**—Operates effectively from +32°F to 167°F (0°C to +75°C). Do not leave immersed in water at freezing temperatures.

OPERATING SPECIFICATIONS

HRC 990 (Controller)

- **Station Timing:** 0-240 minutes (in 1-minute increments); 0-480 minutes with water budgeting
- **Automatic Starts:** 4 per day for each program (8 per day when using dual program capability)
- **Programming Schedule:** Odd, even, or interval (1-32 days), or cycle by day (Monday through Sunday)
- **Water Budgeting:** 10%-200% in 10% increments
- **Rain Delay:** Programmable from 24, 48 or 72 hours

DIMENSIONS

- **Height:** 2 3/8" (6,0329 cm)
- **Length:** 3 1/2" (8,89 cm)

ENVIRONMENTAL SPECIFICATIONS

- **IP-68 Rated:** Withstands long periods of immersion 4' under water

HRC 990 MS MD (Rain/Freeze Sensor Module)

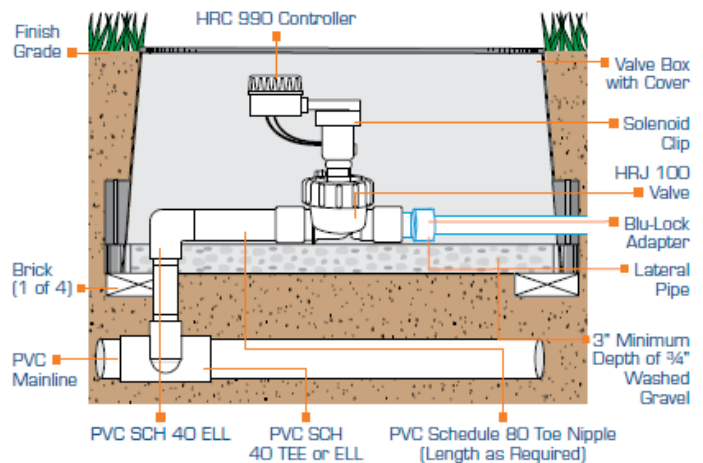
HRC 990 SD MD (Solenoid Module)

- **Max Pressure:** 150 PSI
- **Interchangeable:** Use on Hydro-Rain models HRJ 100 and HRZ 100 with HRC 990 Controller

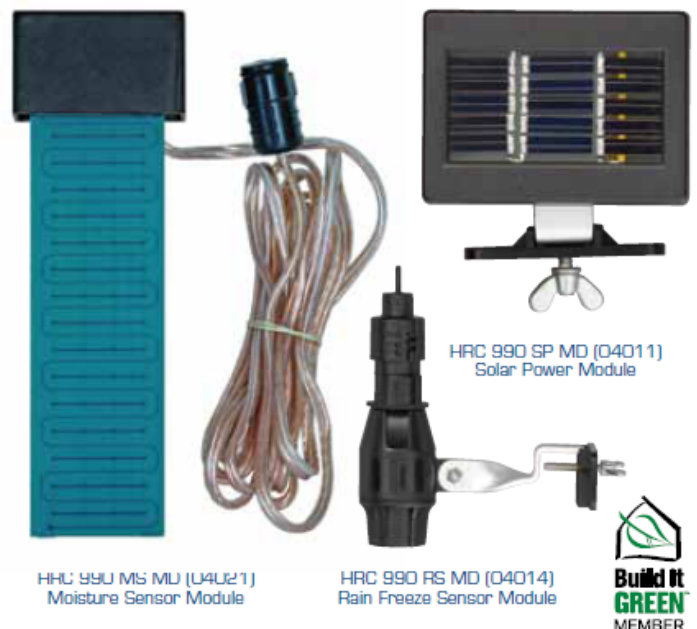
ELECTRICAL SPECIFICATION

- **Battery Power:** 3 AA (included)
- **Solenoid:** 13V DC Latching

INSTALLATION SPECIFICATION DETAIL



MOISTURE SENSOR, RAIN/FREEZE SENSOR, SOLAR MODULES



04000-36 Rev E