

HYDRO•RAIN®

CONTROL & MONITORING SYSTEM (CMS) BATTERY POWERED CONTROLLER



A
**b•hyve®
PRO**

Connected
Device

CMS

Control and
Monitoring

b•hyve™
PRO



Features

- Program with smart device
- Requires 6 AA batteries
- 3-year warranty, 2-year extension available
- Connects over Bluetooth® or 900 MHz
- Optional cellular connectivity available with a Hydro-Rain cellular module
- IP68 Rating with lid secured
- Control Unit body easily fits in 2 1/2" hole
- Non-volatile memory stores programming settings without battery
- Controls 1 to 8 valves, or monitors flow using accessory modules
- Hydro-Rain latching solenoid is compatible with all Hydro-Rain HRZ, HRA, and HRJ valves
- Hydro-Rain latching solenoid is compatible with HRB, HRV, and HRP valves when used with an adapter
- Solenoid adapters available for most Rain Bird®, Hunter®, Toro®, Irritrol®, K-Rain®, or Orbit® valves
- 100' maximum solenoid wire run from adapter module when using 18 AWG wire
- Works with the following Flow Meters:
 - » Data Industrial (Badger Meter) IR-220 Series (PVC models)
 - » Creative Sensor Technologies FSI-T Series
 - » Netafim Reed Switch Register-type Series
 - » Bermad 900 Series Reed Switch Register-type Series



Physical Specifications

- 3.75" high x 4.5" wide x 4.5" deep
- 1 lbs

Electrical Specifications

Input Power:

- 6 AA Batteries

Output Power:

Station output: 9-14 VDC
P/MV output: 9-14 VDC

Range:

- Bluetooth: 100 feet
- 900 MHz: 3 miles
- Cellular: Unlimited*

*Cellular connects directly to the cloud when a signal is available

CMS CONTROL AND MONITORING

CMS-CU [04400] System Control Unit

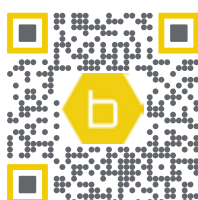
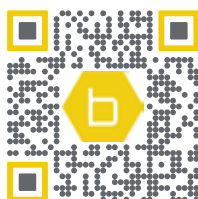
CMS ADAPTERS AND ACCESSORIES

CMS-FM-MD	[04415]	Flow Monitoring Accessory Module
CMS-1VDC-MD	[04430]	1-Valve Accessory Module
CMS-4VDC-MD	[04434]	4-Valve Accessory Module
CMS-WM	[04460]	Wall Mount
CMS-25-EXT	[04425]	25 ft. Extension Wire
BHP-CELL-MD	[04450]	Cellular Communication Module
CMS-FM-KIT	[04401]	Flow Meter Kit with 3-year cell plan
CMS-4VDC-KIT	[04404]	4-Valve Kit with 3-year cell plan



B-HYVE PRO DASHBOARD AND APP

Smarter
Irrigation System
Management



pro.mybhyve.com
Website



Save Time

No more driving back and forth to job sites for simple programming adjustments; access controllers using the app on a mobile device, or on a computer through the B-hyve Pro Dashboard.

Save Water

WeatherSense™ technology accesses real-time local weather to ensure that lawns and gardens get exactly the water they need when they need it.

Flexible Programming

Controller programs can be fine-tuned with percentage adjustments. Obey drought restrictions, water windows, and run-time rationing with multiple options:

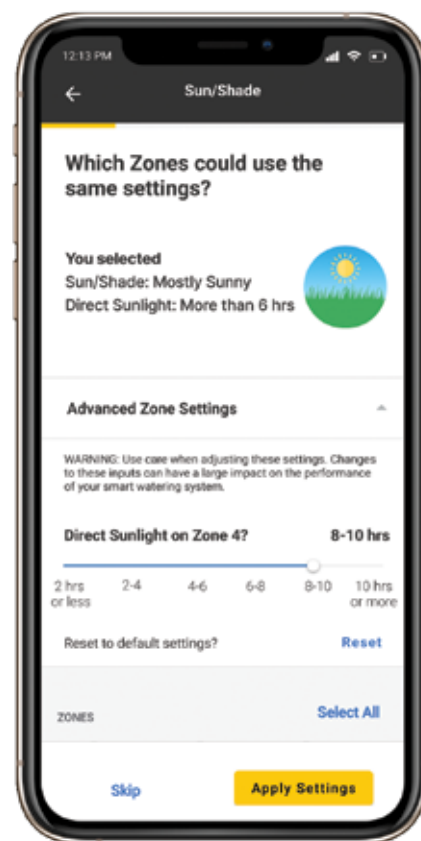
- Smart programming
- Independent programs with limited Smart features, or
- Independent watering schedules

Multi-Site Scalable Management

The B-hyve app allows web-based oversight of single controllers, entire sites, or multiple accounts. Manage tens, hundreds, or even thousands of controllers. The convenient layout of the dashboard shows which controllers are online, off-line, running a grow-in program, in a rain delay, and much more.

Multi-User Support

B-hyve account owners can grant access to other B-hyve app users, set different levels of permission for maintenance contractors, property managers, and even transfer the device to another account. Group and label devices based on property, or use, like "Winterized" and "Spring Start-up."



Additional Features

- Built-in Irrigation Audit guides you through audits quickly to identify D.U. and efficiency
- Reports—See when a controller watered or how much it rained
- Main line/catastrophic break detection and shut down
- Fault detection and alerts
- Define water days and water windows per program to comply with water restrictions
- The B-hyve scheduling algorithm optimizes watering using seven site-specific variables
- Automated daily runtime adjustments at the controller using site specific weather data
- Automated skip days based on zone specific soil moisture depletion
- Smart watering, custom programs, and Program Scheduling (aka grow-in) options by station
- Advanced fine tuning of smart features

ADVANCED WATER MANAGEMENT FOR ALL YOUR PROJECTS



B-hyve is the premier irrigation platform loved by contractors and property owners. B-hyve provides full control and monitoring of the HSC from your smart device or through the web.



With built in Bluetooth and LoRa radio connecting the controller to the Internet has never been easier. The optional cellular connection module provides access in remote areas or otherwise restricted properties.



To maximize water savings and keep landscapes healthy, B-hyve Pro WaterSense™ algorithms automatically adjust watering schedules based on the weather, soil type, plant type, shade, slope, and sprinkler type.

