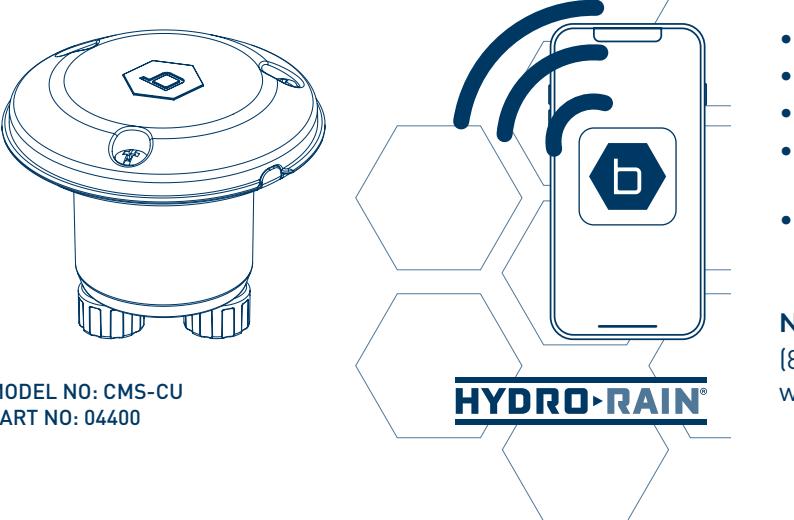




CONTROL AND MONITORING SYSTEM

CMS Control Unit



Contents

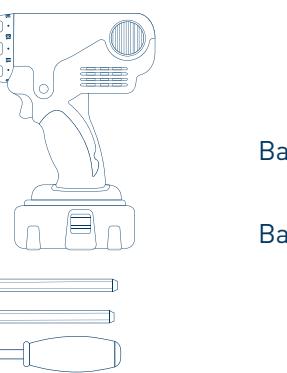
- Control Unit
- Mounting screws
- Instruction manual

Required Tools/Items

- 6 AA batteries (Energizer® or Duracell®)
- 2.5 in. (64 mm) Hole saw
- Drill and driver bits
- Phillips screw driver
- DC latching solenoid(s) (for valve control)
- Phone with B-hyve Pro or B-hyve Ag app installed

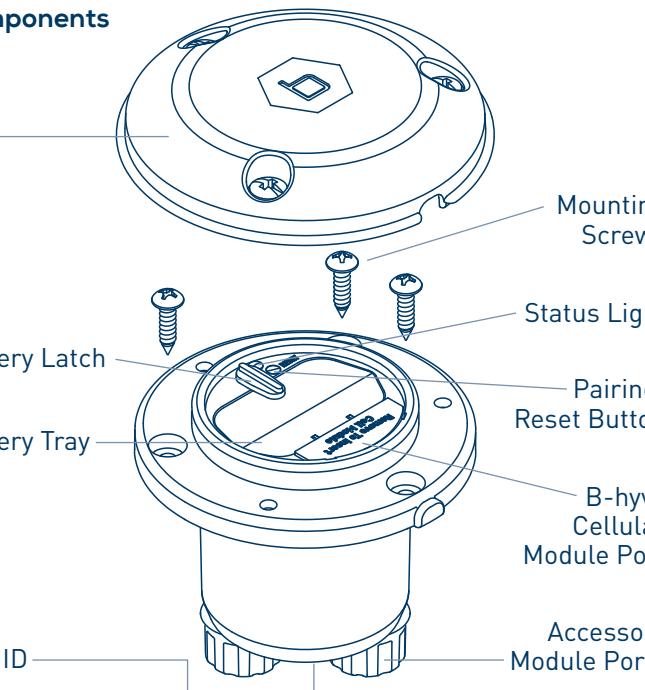
NORTH AMERICA HELP:
(888) Hydro-Rain
www.hydrorain.com

NOTE: For control from remote locations, a B-hyve Cell Module (sold separately) is necessary.



PN 04400-24 rB

Components



Mac ID

1 PAIR CMS CONTROL UNIT

Install the B-hyve Pro or B-hyve Ag app on your smart device

Download the B-hyve Pro or B-hyve Ag app from the Apple App Store or Google Play. The app will guide you through setting up your CMS Control Unit.

Select a location

Preferably, the CMS Control Unit should be mounted on the lid of the valve box containing the valve(s) or flow meter you wish to control/read. Whether mounted to a valve box or a wall (CMS-WM Wall Mount, sold separately), the CMS Control Unit should be mounted as close to the valve(s) or flow meter as possible.

Note: CMS Control Unit should be paired with a smart device at the installation location to ensure sufficient wireless signal or cellular strength. Placing the CMS Control Unit inside a valve box rather than mounting it to the valve box lid will diminish your wireless signal.

Remove the lid

Remove the lid of the CMS Control Unit by unscrewing the three screws on top using a phillips screw driver.

Install the batteries (not included)

The CMS Control Unit uses six AA batteries. (For best performance and battery life, use Energizer® or Duracell® batteries.)

Remove the battery tray by sliding the latch to the left. Insert the batteries. Reinsert the battery tray and slide the latch back to the right.

NOTE: The CMS Control Unit has non-volatile memory that retains programming when the batteries are removed or drained.

Install the B-hyve Pro Cellular Module (sold separately)

Remove the rubber lid covering the cellular module compartment.

Slide the B-hyve Cellular Module (sold separately) into the compartment until it is securely in place.

Connect the CMS Control Unit to the app

Open the B-hyve Pro or B-hyve Ag app on your smart device. In the app, go to the device list and tap the "+" button.

You will, then, be guided through the set-up process.

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2 INSTALL THE CONTROL UNIT

Drill a hole in valve box lid

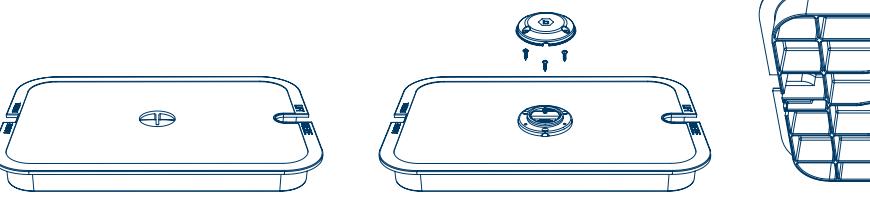
Using a 2.5 in. (64 mm) hole saw, drill a hole in the center of the valve box lid.

Mount CMS Control Unit

Ensure the lid of the CMS Control Unit is off and place it in the hole. Using a drill with a phillips bit, install the three mounting screws to secure the CMS Control Unit to the valve box lid.

Note: Do not attach the lid of the CMS Control Unit until after it has been paired with a mobile device.

Accessory Modules may now be connected.



3 INSTALL ACCESSORY MODULES (SOLD SEPARATELY)

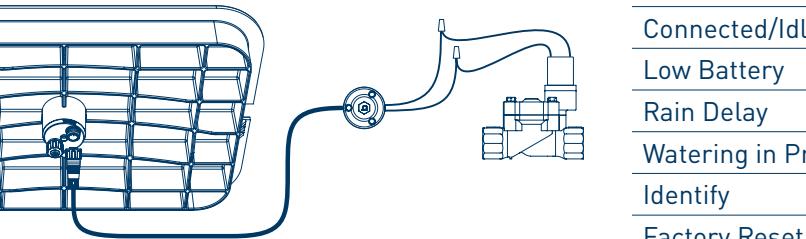
Ensure the B-hive Pro or B-hive Ag app is connected to the CMS Control Unit.

Using wire nuts, connect the control wires to a **DC latching** solenoid or flow meter wires.

Remove a cap from one of the CMS Control Unit's accessory ports.

Push the male connector on the accessory module into the port and tighten the connector nut.

Open the B-hive Pro or B-hive Ag app on your smart device and follow the step-by-step pairing process in the app.



RESET BUTTON

Function	Button Press
Wake/Display Status	Press button once
Factory Reset	Quickly press button 5 times

Device Status

Device Status	LED Behavior
Ready for Pairing	Blinks blue every 5 seconds until paired or timeout Control Unit will time-out after 15 minutes if not paired
Connecting/Disconnected	Blinks white
Connected/Idle	Solid green
Low Battery	Blinks red
Rain Delay	Blinks yellow
Watering in Progress	Blinks green
Identify	Blinks magenta
Factory Reset	Rapidly blinks red until reset

SPECIFICATIONS

EU & UKCA Declaration of Conformity
Pro-Mark, LLC
845 Overland Rd., NSL, UT 84054 USA
Declares under our sole responsibility, that the product: CMS Control Unit
Complies with the following:
European Directives 2014/53/EU and
UKCA Radio Equipment Regulations 2017,
SI 2017-1206 (as amended by SI 2019-696)
with reference to the following standards:
ETSI EN & EN 300 220-1 V3.1.1 (2017-02)
ETSI EN & EN 300 220-2 V3.2.1 (2018-06)
ETSI EN & EN 300 328 V2.2 (2019-07)
BS EN & EN 50665:2017
ETSI EN & EN 301 489-1 V2.2.3 (2019-11)
ETSI EN & EN 301 489-3 V2.1.2 (2021-03)
ETSI EN & EN 301 489-17 V3.2.4 (2020-09)
BS EN & EN 55032:2015/A11:2020,
BS EN IEC & EN IEC 61000-
3-2:2019/A1:2021
BS EN & EN 61000-3-3:2013/A1:2019
BS EN & EN 55035:2017/A11:2020
BS EN & EN 60730-1:2016
BS EN & EN 60730-2-7:2020

FCC & ICID STATEMENT:
This device complies with Part 15 of the FCC Rules and
Industry Canada license exempt RSS standards. Operation
is subject to the following two conditions: (1) This
device may not cause harmful interference, and (2) this
device must accept any interference received, including
interference that may cause undesired operation.

FCC Warning: Any changes or modifications not expressly

approved by the party responsible for compliance could
void the user's authority to operate this equipment.

Note: This equipment has been tested and found to comply
with the limits for a Class B digital device, pursuant to Part
15 of the FCC Rules. These limits are designed to provide
reasonable protection against harmful interference in a
residential installation. This equipment generates, uses, and
can radiate radio frequency energy and, if not installed and
used in accordance with the instructions, may cause harmful
interference to radio communications. However, there is no
guarantee that interference will not occur in a particular
installation. If this equipment does cause harmful interference
to radio or television reception, which can be determined by
turning the equipment off and on, the user is encouraged to try
to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the
equipment and the receiver.

- Connect the equipment into an outlet on a circuit
different from that to which the receiver is connected.

- Consult the dealer or an experienced
radio/TV technician for help

Temperature Operating Range:
Operating: -4-140° F
[-20-60° C]
Storage & transport:
-4-140° F [-20-60° C]

Humidity Operating Range:
Operating: 0-100%
Storage & transport: 0-90%

IP67 Rating
BS EN IEC & EN IEC 61000-
3-2:2019/A1:2021
BS EN & EN 61000-3-3:2013/A1:2019
BS EN & EN 55035:2017/A11:2020
BS EN & EN 60730-1:2016
BS EN & EN 60730-2-7:2020

IC Warning

The device contains license-exempt transmitter(s)/receiver(s) that
comply with Innovation, Science and Economic Development Canada's
licensing-exempt RSSs. Operation is subject to the following two
conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that
may cause undesired operation of the device.

**L'émetteur/récepteur exempt de licence contenu dans le présent
appareil est conforme aux CNR d'Innovation, Sciences et
Développement économique Canada applicables aux appareils radio
exempts de licence. L'exploitation est autorisée aux deux conditions
suivantes :**

(1) L'appareil ne doit pas produire de brouillage;

(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si
le brouillage est susceptible d'en compromettre le fonctionnement.

**This equipment complies with FCC radiation exposure limits set forth for
an uncontrolled environment. This equipment should be installed and
operated with minimum distance 20 cm between the radiator & your
body.**

**L'appareil est conforme aux limites d'exposition aux radiations établies
par la FCC pour les environnements non contrôlés. La distance entre le
radiateur et le corps doit être d'au moins 20 cm lors de l'installation et du
fonctionnement de l'appareil.**

**This device meets the FCC and IC requirements for RF exposure
in public or controlled environments. The end user is advised
to maintain a distance of 20 cm from the controller and any
personnel to ensure compliance with RF exposure regulations.**

**This Class B digital apparatus complies
with Canadian ICES-003**



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