CUP/BT
Battery Operated Controller

Installation Guide

Bluetooth®

Battery operated controller managed with Poelsan CUP mobile application.

Battery Connection

CUP/BT power supply is provided by 1 or 2 9V alkaline batteries. It offers long-term use throughout the season with low energy consumption.

Pull the battery compartment cover in the direction of the arrow and open the battery compartment.

Install one or two 9-volt alkaline batteries into the battery connectors. For battery placements, refer to the opposite direction of the connector cables' output and place them horizontally and vertically as shown in the image.

Replace the cover and close the battery compartment.

> In case the battery runs out or is removed, your program information is preserved with the permanent program memory feature.

Operates 9V DC-Latching solenoids.
Replace the 9V battery once a year.

(A)

(C)

(B)

— Black Cable
═ Red Cable
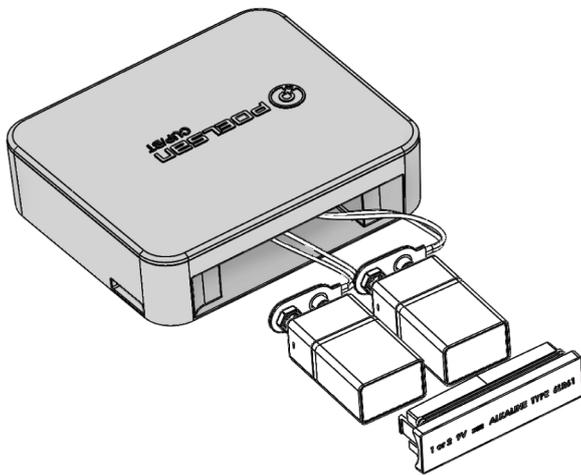
Solenoid Connections

The solenoid valve starts or stops the flow of water at specified times by receiving signals from the controller connected to the irrigation system.

Connect the black wires on each solenoid (B) to the single common black wire from the controller (A).

Connect the single red wire from each solenoid to the red wire of the corresponding station from the controller (A). Station numbers are identified under the red wires of the controller.

Make sure that all wire connections are watertight.

The orange wire from the controller is for the Main Valve/Pump (C). The Main Valve/Pump (C) is used to control the solenoid valves from a single center, turning them on and off. Usage is optional.
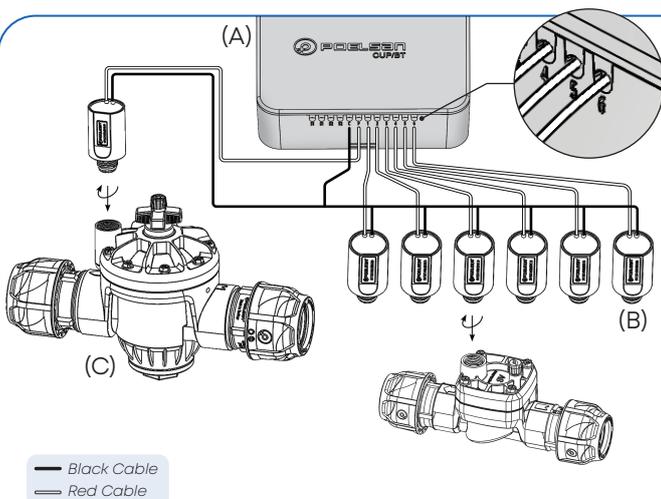
> Maximum wire length between the controller and the solenoid: 100 ft (30 m) with 16 AWG (1.5 mm2) wire size.
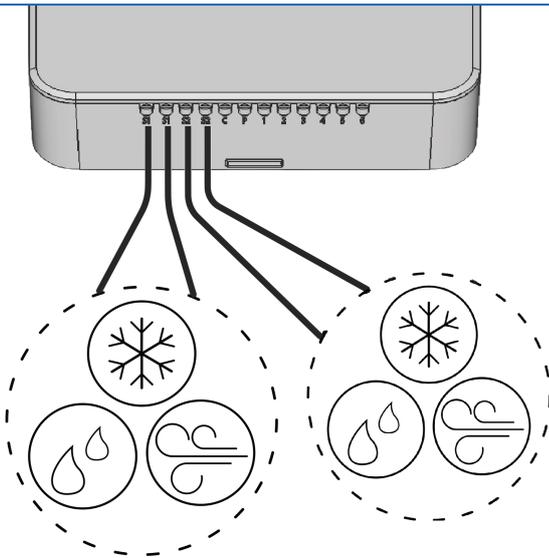
Sensor Connections

Sensors are external devices that the irrigation system uses to sense environmental conditions. The active and passive sensors connected to the irrigation system are managed by the controller.

Connect one of the yellow cable pairs from the Poelsan CUP/BT S1 or S2 output to one cable end on your sensor, and the other to the remaining cable end.

To use your sensor actively, activate the sensor from the additional features page on the mobile application.

Make sure that all cable connections are waterproof.

> 👍 Poelsan CUP/BT S1 and S2 outputs are designed to support three different sensors. (Wind, Rain, Frost)

Rain Sensor: Automatically stops irrigation when it rains.
Rain Delay: All programs can be closed for up to 7 days after the irrigation is turned off when it rains.
Frost Sensor: Prevents irrigation in frost conditions (below +3 degrees), thus preventing damage to the system.
Wind Sensor: Can stop irrigation to prevent water from being blown away in strong wind conditions.
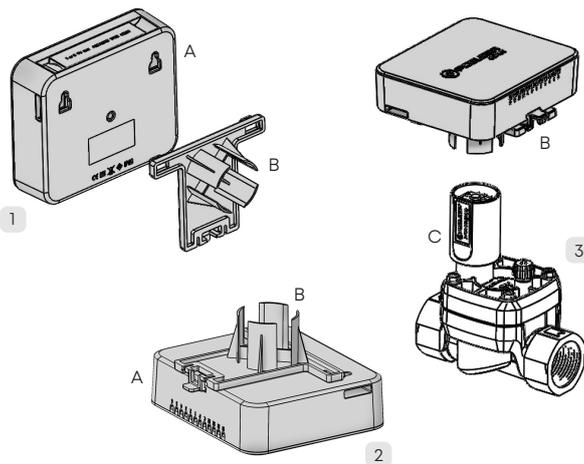
Installation

Align the installation kit (B) provided in the box to the bottom of the device (A). **1**

Firmly attach the bracket (B) to the device (A) so that it fits in place. **2**

Press the installation kit (B) onto the solenoid valve (C) by aligning it. **3**

Make sure the device is fully seated on the valve and is secure. Check the cable connections.

> 👍 CUP/BT complies with the IP68 Standard. It is water and dust resistant.

Mobile Application

CUP/BT Battery Operated Controller is remotely managed by connecting to an unlimited number of devices up to 15m away via Bluetooth via the Poelsan Cup Mobile Application.

Log in to the POELSAN CUP application on your smartphone or tablet. From the login screen, perform your membership with the **"Become a Member"** option. If you wish, you can perform a control operation that does not have the maximum features with the "Continue Without Membership" option.

Tap the **"Add Device"** button. Scan nearby control units. Click on the controller that matches the SN on the box label from the devices listed as a result of the scan and add the controller.

To perform the Device Reset operation, tap the **"Reset Device"** button on the device settings page in the mobile application.
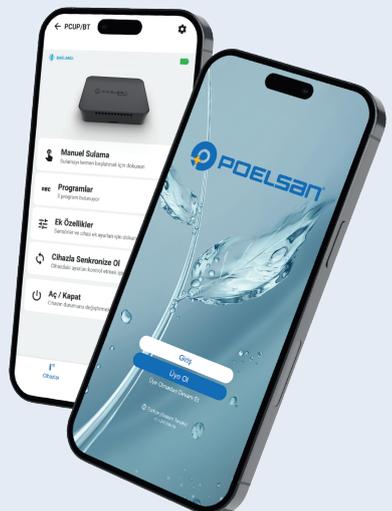
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Bluetooth