Required Tools

- Phillips screwdriver
- Needle-nose pliers
- Crescent wrench

Installing the Wi-Fi Module

1. Remove all parts from the packaging.
2. Power down the controller.
3. Loosen the two screws on the top of the control board cover.
4. Carefully remove the cover and set it aside.
5. Use needle-nose pliers to remove the rubber plug from the antenna port on the top of the cabinet.
6. Remove the nut and the lock washer from the bottom of the antenna, and then insert the stem of the antenna into the port on the top of the cabinet.
7. From the inside of the cabinet, place the lock washer on the stem of the antenna, and then thread the nut onto the stem. Use a wrench to tighten the nut sufficiently to ensure that the antenna makes good contact with the outside of the cabinet.
8. Partially thread one of the provided mounting screws into the lower mounting pin (C) on the inner top of the cabinet.
9. Connect the end of the antenna cable onto the stem of the Wi-Fi module and hand-tighten it.
10. Position the notch on the edge of the Wi-Fi module mounting plate on the partially threaded screw (C). Tighten the screw so it holds the mounting plate in place.
11. Align the holes on the Wi-Fi module mounting plate with the mounting pins (A & B). Use the screws provided to securely attach the module inside the cabinet.

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12. Carefully turn the Wi-Fi module in the mounting bracket so the indicator lights are visible.

13. Inspect the cable coming from the right end of the Wi-Fi module. A label identifies the RJ45 connector that is plugged into the Wi-Fi module. If you ever need to disconnect or replace this cable, make sure to plug the labeled end into the Wi-Fi module. This cable supplies power over Ethernet and plugging it in incorrectly will damage the irrigation controller.

14. Notice that the cable coming from the right end of the Wi-Fi module splits in two. The thin cable with the white connector is the power cable. The thicker cable is Ethernet.

15. Inspect the power cord to ensure that it is not wrapped around the Ethernet cable. If it is, unwrap it.

16. Plug the 5-pin connector on the power cable into one of the 5-pin male power connectors on right end of the controller board.
17. Gently gather the antenna cable into two loops, and then connect the end of the antenna cable onto the stem of the antenna and hand-tighten it.

**IMPORTANT!** Do not bend or kink the antenna cable.

18. Keep the antenna cable looped, and then reposition the control board cover so it covers the antenna cable and holds it in place.

19. Tighten the screws on the control board cover.

20. Remove the paper backing on the adhesive on the cable clip, and then attach the cable clip to the control board cover as shown in the illustration.

21. Secure the Ethernet cable under the cable clip, and then plug the end of the Ethernet cable into the Ethernet jack on the back of the controller’s faceplate.

22. Check the connectors on the antenna cable on the antenna end and the Wi-Fi module end to make sure they are tight.

**IMPORTANT!** Make sure the antenna cable remains securely attached to the connector on the Wi-Fi module. If the module is powered up with a loose or disconnected antenna, damage may occur to the circuitry. **This damage is not covered by warranty.**

23. Power up the controller.

24. Make sure the indicator lights on Wi-Fi module are illuminated.

25. Follow the instructions in the Wi-Fi Module Configuration Guide to complete the setup in the controller.
Troubleshooting Tips

If the Wi-Fi module is not performing as expected, you might need to try the following troubleshooting steps.

- Make sure the antenna cable is not bent or kinked in any way. You might need to remove the control board cover to see the antenna cable.

- Make sure the RJ45 connector is properly seated in the end of the Wi-Fi module. You can gently push the end of the Ethernet cable and it toward the Wi-Fi module to ensure that it is seated properly.

The photo on the right shows how the connector is plugged into the Wi-Fi module inside the weatherproof cover.

- Reset the Wi-Fi module to factory settings. Perform these steps if network settings change or if you need to connect to a different network.
  1. Power down the controller.
  2. Remove the control board cover and disconnect the antenna cable from the antenna.
  3. Disconnect the Wi-Fi module power cable.
  4. Disconnect the Ethernet cable from the back of the faceplate.
  5. Remove the screws on the Wi-Fi module mounting plate.
  6. Remove the Wi-Fi module from the cabinet and unscrew the cover from the end where the Ethernet cable is plugged in. The gasket will pop out. Be sure to set it aside so you can reuse it.
  7. Reconnect the antenna cable, the power cable, and the Ethernet cable.
  8. Power on the controller.
  9. Use a pointed object to press and hold the Reset button until all the lights flash, and then release the button.
  10. Reattach the connector cover and replace the gasket.
  11. Reattach the Wi-Fi module mounting plate inside the cabinet.
  12. Replace the control board cover.
  13. Follow the instructions in the Wi-Fi Module Configuration Guide to reconfigure the Wi-Fi module.