

WiFi Smart Controller User Manual

Feature	Description
Maximum zones	8
Automatic programs	3
Start times per program	4
Custom run days	Yes
Master valve control	Yes
Rain delay	Yes
Rain/freeze sensor control	Yes
Seasonal adjust	Yes
Manual zone run	Yes
Manual program run	Yes
Manual test all zones	Yes
Zone advance	Yes
Built-in WiFi	Yes
AP Hotspot	Yes

Installation

If You're Replacing an Existing Controller

- Take a photo of the wiring details, which will be useful to reference when installing the new controller.
- Unplug the power cord from the AC power outlet and disconnect wires from the controller.

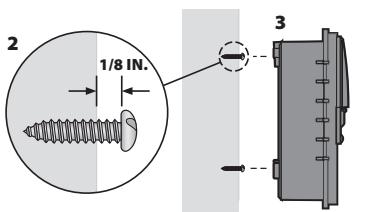
Mount New Controller

- Unless installing with custom wiring, choose a mounting location on a wall within six feet of an AC power outlet and at least 15 feet away from major appliances or air conditioners.

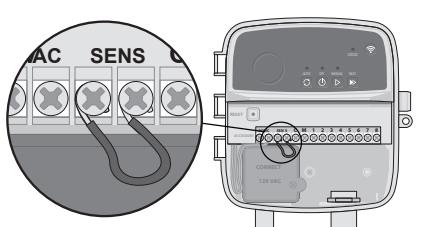
WARNING
Install the controller with the power supply cord exit side pointing downwards to avoid ingress of water.

- Drive a mounting screw into the wall, leaving an 1/8-inch gap between the screw head and the wall surface (use supplied wall anchors if necessary).

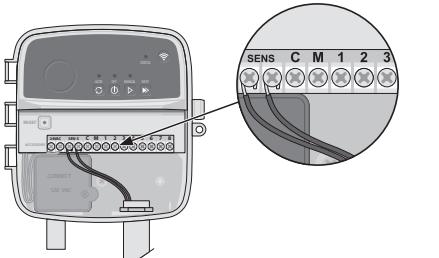
- Locate the keyhole slot on back of the controller and hang it securely on the mounting screw.



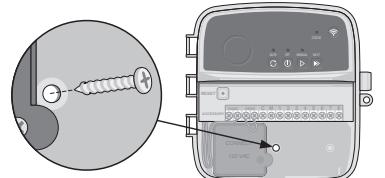
- Remove the yellow jumper wire from the SENS terminals on the controller.



- Connect both rain or rain/freeze sensor wires to the SENS terminals.



- Remove the wire bay cover on the lower part of the controller and drive a second screw through the open hole and into the wall (use supplied wall anchors if necessary).



Connect Valve Wiring

- With the wire bay cover removed, route all field wires through the opening at the bottom of the controller.

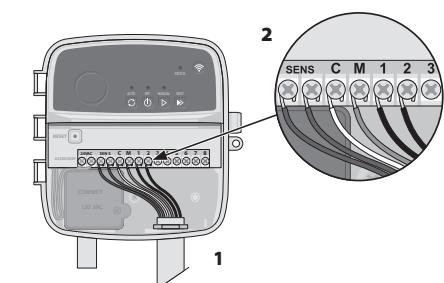
WARNING
DO NOT route valve wires through the same opening as power wires.

- Connect one wire from each valve to one of the numbered zone terminals (1–8) on the controller.

NOTICE
DO NOT connect more than one valve to the same zone terminal (1–8).

- Connect a field common wire to the common terminal (C) on the controller.

4. For connection of optional accessories (rain or rain/freeze sensor, master valve, pump start relay), refer to the appropriate section within this manual.



Connect Custom Wiring (optional)

WARNING
• Ensure that AC power is disconnected before replacing wiring.
• The strain-relief bar must be resecured for safe and proper function.
• When using fixed wiring to main supply, the installation must incorporate a disconnection device.
• DO NOT apply power until you have completed and checked all wiring connections.
• DO NOT attempt to link two or more controllers together using a single transformer.

NOTICE
• A pump start relay connects to the controller in the same way as a master valve, but connects differently at the water source.
• This controller DOES NOT provide power for a pump. A relay must be wired according to pump manufacturer's installation instructions.

- If desired, the provided power cord can be removed and replaced with custom wiring.
- Remove the wire bay cover on the lower part of the controller.
- Locate the transformer box in the left-hand corner of the wire bay and unscrew the wiring compartment cover.
- Using a direct burial cable, connect one of the wires from the pump start relay to the master valve terminal (M).
- Connect the remaining wire from the pump start relay to the common terminal (C).
- Unscrew the wire nuts connecting the AC power cord and the transformer wires. Remove the power cord wires from the transformer box.
- Remove the factory installed power cord by loosening the two screws securing the metal strain-relief bar.
- Route the three wires from an external power source into the wiring compartment.
- Connect the external power supply wires using the wire nuts and resecure the metal strain relief bar by tightening the two screws.

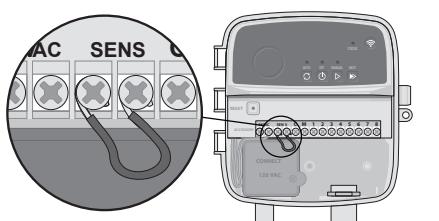
Power Wiring Connections 120 VAC

- Black supply wire (live) to the black transformer wire
- White supply wire (neutral) to white transformer wire
- Green supply wire (ground) to the green transformer wire

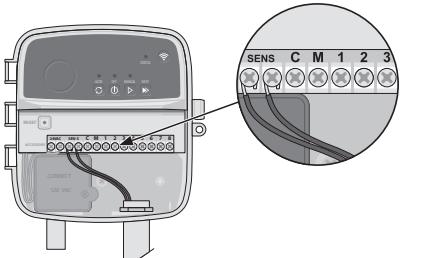
Connect Rain/Freeze Sensor (optional)

NOTICE
• DO NOT remove the jumper wire unless connecting a rain or rain/freeze sensor. The controller will not function if the jumper wire is removed and a rain or rain/freeze sensor is not connected.
• Rain Bird controllers are only compatible with normally closed rain or freeze sensors.
• Check local and/or state regulations to determine if a rain or rain/freeze sensor is required.

- Remove the yellow jumper wire from the SENS terminals on the controller.



- Connect both rain or rain/freeze sensor wires to the SENS terminals.



4. For detailed installation and operation of pump start relay, refer to pump manufacturer's installation instructions.

Connect Power

- DO NOT remove the jumper wire unless connecting a rain or rain/freeze sensor. The controller will not function if the jumper wire is removed and a rain or rain/freeze sensor is not connected.
- Rain Bird controllers are only compatible with normally closed rain or freeze sensors.
- Check local and/or state regulations to determine if a rain or rain/freeze sensor is required.

- Remove the yellow jumper wire from the SENS terminals on the controller.

5. **RAIN DELAY:** In the Rain Bird App, manually turn off automatic watering for a fixed number of days when it rains even without a rain sensor.

• Suspend watering for up to 14 days by selecting the icon in the controller settings.

• Slide the bar to the desired number of days to delay automatic watering.

• Select "Save" to store the setting.

NOTICE
The maximum numbers of days to delay watering is 14. After the days expire, automatic irrigation will begin again according to the programmed schedule.

6. **SEASONAL ADJUST** changes the watering duration (as a percent) for all zones associated with run times in an individual program. This may be manually adjusted in the Rain Bird App using the slider in the program settings.

NOTICE
• The controller must be connected to WiFi to make automatic adjustments.
• An adjustment value of 100% is representative of irrigation during the average hottest time of year, so even if you're experiencing warm weather a summer day, you may not see an adjustment above 100%.

7. **RAIN DELAY:** In the Rain Bird App, manually turn off automatic watering for a fixed number of days when it rains even without a rain sensor.

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• Slide the bar to the desired number of days to delay automatic watering.

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NOTICE
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NOTICE
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NOTICE
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11. **SEASONAL ADJUST** changes the watering duration (as a percent) for all zones associated with run times in an individual program. This may be manually adjusted in the Rain Bird App using the slider in the program settings.

NOTICE
• The controller must be connected to WiFi to make automatic adjustments.
• An adjustment value of 100% is representative of irrigation during the average hottest time of year, so even if you're experiencing warm weather a summer day, you may not see an adjustment above 100%.

12. **SEASONAL ADJUST** changes the watering duration (as a percent) for all zones associated with run times in an individual program. This may be manually adjusted in the Rain Bird App using the slider in the program settings.

NOTICE
• The controller must be connected to WiFi to make automatic adjustments.
• An adjustment value of 100% is representative of irrigation during the average hottest time of year, so even if you're experiencing warm weather a summer day, you may not see an adjustment above 100%.

13. **SEASONAL ADJUST** changes the watering duration (as a percent) for all zones associated with run times in an individual program. This may be manually adjusted in the Rain Bird App using the slider in the program settings.

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NOTICE
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19. **SEASONAL ADJUST** changes the watering duration (as a percent) for all zones associated with run times in an individual program. This may be manually adjusted in the Rain Bird App using the slider in the program settings.

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NOTICE
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• An adjustment value of 100% is representative of irrigation during the average hottest time of year, so even if you're experiencing warm weather a summer day, you may not see an adjustment above 100%.

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NOTICE
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26. **SEASONAL ADJUST**

Manual del Usuario del Controlador Inteligente WiFi

Característica	Descripción
Máximo de zonas	8
Programas automáticos	3
Horarios de inicio por programa	4
Días de operación personalizados	Sí
Control de válvula maestra	Sí
Retardador por lluvia	Sí
Control de sensor de lluvia/congelamiento	Sí
Ajuste estacional	Sí
Operación manual de zona	Sí
Operación manual de programa	Sí
Prueba manual de todas las zonas	Sí
Avance de zona	Sí
WiFi incorporado	Sí
Punto de acceso inalámbrico	Sí

Instalación

Si está reemplazando un controlador existente

- Tome una fotografía de los detalles del cableado, la cual será útil para usar como referencia cuando instale el controlador nuevo.
- Desenchufe el cable de alimentación del tomacorriente de CA y desconecte los cables del controlador.

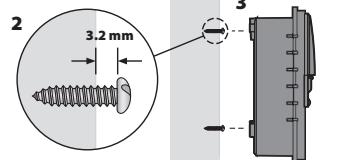
Coloque el controlador nuevo

- A menos que la instalación sea con cableado a la medida, elija colocarlo en un lugar de la pared dentro de los 1,8 m de distancia del enchufe y por lo menos a 4,5 m de distancia de electrodomésticos o equipos de aire acondicionado grandes.

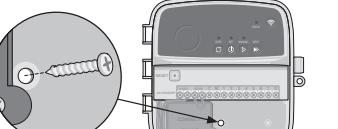
ADVERTENCIA
Instale el controlador con la salida del cable eléctrico apuntando hacia abajo, a fin de evitar el ingreso de agua.

- Coloque un tornillo de montura en la pared, dejando un espacio de 3,2 mm entre la cabeza del tornillo y la superficie de la pared (de ser necesario, use los anclajes de pared provistos).

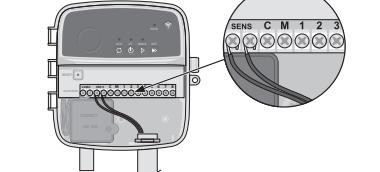
- Ubique la ranura de montaje en la parte trasera del controlador y cuérguelo de manera segura sobre el tornillo de montura.



- Retire la cubierta del puerto del cableado en la parte inferior del controlador y coloque un segundo tornillo en la pared, a través del agujero (de ser necesario, use los anclajes de pared provistos).



- Conecte ambos cables del sensor de lluvia o congelamiento a los terminales SENS.



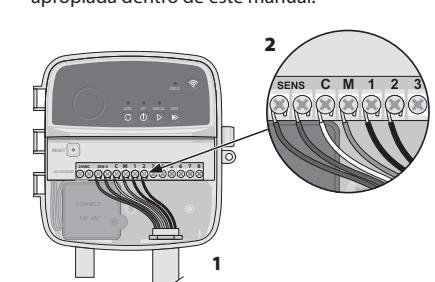
- Para una instalación y operación detallada del sensor de lluvia o lluvia/congelamiento, consulte las instrucciones de instalación del fabricante del sensor.

- Retire la cubierta del puerto del cableado en la parte inferior del controlador y coloque un segundo tornillo en la pared, a través del agujero (de ser necesario, use los anclajes de pared provistos).

- Conecte un cable de cada válvula en cada uno de los terminales de zona numerados (1-8) en el controlador.

- Conecte un cable común de campo al terminal común (C) en el controlador.

- Para conectar accesorios opcionales (sensor de lluvia o lluvia/congelamiento, válvula maestra, relé de inicio de bomba), consulte la sección apropiada dentro de este manual.



Conecte cableado a la medida (opcional)

ADVERTENCIA

- Asegúrese de que la alimentación de corriente está desconectada antes de reemplazar el cableado.
- El alivador de tensión debe volver a asegurarse para un funcionamiento seguro y adecuado.
- Cuando se use una conexión directa a la alimentación eléctrica, la instalación debe incorporar un dispositivo de desconexión.
- NO energice hasta que haya completado y verificado todas las conexiones del cableado.
- Este controlador NO proporciona corriente para una bomba. Debe cablearse un relé de acuerdo con las instrucciones de instalación del fabricante de la bomba.

- Si lo desea, puede retirar el cable de el cable de alimentación provisto y reemplazarlo con un cable a medida.

- Retire la cubierta del puerto del cableado en la parte inferior del controlador.

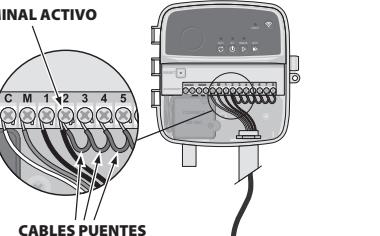
- Coloque la caja del transformador en la esquina izquierda del puerto del cableado y desatornille la cubierta del compartimiento del cableado.

- Desatornille las tuercas de cable que conectan el cable de alimentación de corriente y los cables del transformador. Retire los cables de corriente de la caja del transformador.

- Retire el cable de alimentación instalado de fábrica aflojando los dos tornillos que fijan el alivador de tensión de metal.

- Pase los tres cables de una fuente de corriente externa hasta el compartimiento del cableado.

- Conecte los cables de suministro de corriente externa usando las tuercas de cable y luego, vuelva a asegurar el alivador de tensión de metal ajustando los dos tornillos.



Conexiones de cableado de corriente 120~

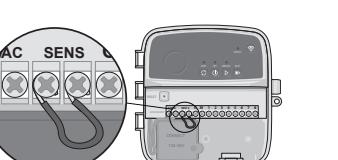
- Cable de suministro negro (fase) para el cable de transformador negro
- Cable de suministro blanco (neutro) para el cable de transformador blanco
- Cable de suministro verde (tierra) para el cable de transformador verde

Conecte el sensor de lluvia/congelamiento (opcional)

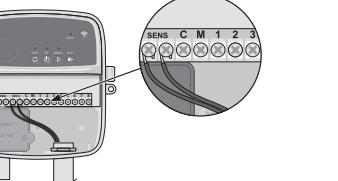
AVISO

- No retire el cable puente a menos que conecte un sensor de lluvia o lluvia/congelamiento. El controlador no funcionará si se retira el cable puente corriente y no hay un sensor conectado.
- Los controladores Rain Bird solo son compatibles con sensores de lluvia normalmente cerrado.
- Revise las disposiciones locales y/o estatales para determinar si se requiere un sensor de lluvia o lluvia/congelamiento.

- Retire el cable puente amarillo de los terminales SENS en el controlador.



- Conecte ambos cables del sensor de lluvia o lluvia/congelamiento a los terminales SENS.



- Para una instalación y operación detallada del sensor de lluvia o lluvia/congelamiento, consulte las instrucciones de instalación del fabricante del sensor.

Programación

Agregue un nuevo controlador a la aplicación Rain Bird

- Antes de instalar el controlador nuevo, verifique la señal de WiFi en la ubicación del controlador.
- Verifique que el controlador tenga una potencia de señal mínima de dos barras.
- Monte el controlador más cerca del enrutador o si es necesario, coloque un intensificador de señal.

EN LA APLICACIÓN RAIN BIRD

- Seleccione el ícono y seleccione preferencias de riego manuales para iniciar el riego manual.
- Oprima el botón para avanzar a la siguiente zona.
- Oprima el botón para detener el riego manual en el controlador.

2. Descargue y abra la aplicación Rain Bird.



- Para una instalación y operación detallada del sensor de lluvia o lluvia/congelamiento, consulte las instrucciones de instalación del fabricante del sensor.

Conecte la válvula maestra (opcional)

ADVERTENCIA

- NO pase los cables de la válvula por la misma abertura que los cables de energía.

- Con un cable de enterramiento directo, conecte uno de los cables de la válvula maestra al terminal de la válvula maestra (M).

AVISO

- NO conecte más de una válvula en el mismo terminal de zona (1-8).

- Conecte el cable restante de la válvula maestra en el terminal común (C).



Cómo crear un programa de riego

- AGREGAR PROGRAMAS:** Este controlador está programado para usar hasta tres programas (A, B y C). Los programas básicos incluyen instrucciones para los días de riego, horas de inicio, y duraciones.

En la aplicación Rain Bird, agregue un nuevo programa seleccionando + PGM y un programa disponible.

AVISO

- La primera vez que se conecte al controlador, la aplicación móvil Rain Bird reflejará el programa asignado por defecto al controlador. Usted puede conservar, cambiar o configurar un nuevo programa en ese momento.
- La programación se almacena en una memoria no volátil y permanecerá en el controlador en el caso de un corte de corriente.

Conecte el relé de arranque de bomba (opcional)

ADVERTENCIA

- NO pase los cables del relé de arranque de bomba por las mismas aberturas de los cables de corriente.

AVISO

- Un relé de arranque de bomba se conecta al controlador de la misma forma que una válvula maestra, pero se conecta distinto en la fuente de agua.
- Este controlador NO proporciona corriente para una bomba. Debe cablearse un relé de acuerdo con las instrucciones de instalación del fabricante de la bomba.

AVISO

- Con un cable de enterramiento directo, conecte uno de los cables de la válvula maestra al terminal de la válvula maestra (M).

- Conecte el cable restante del relé de arranque de bomba en el terminal común (C).

- Coloque la caja del transformador en la esquina izquierda del puerto del cableado y desatornille la cubierta del compartimiento del cableado.

- Para evitar posible daño en la bomba, en el caso de que se asigne horarios de operación en zonas no utilizadas, conecte un cable puente corto desde todos los terminales de zona no utilizados hasta el terminal de zona en uso más cercano.

3. CONFIGURE LOS DÍAS DE OPERACIÓN DEL PROGRAMA:

- Los días de operación son los días específicos de la semana en que ocurre el riego. Configure la frecuencia de riego al seleccionar Impares (días de la semana), Pares (días de la semana), Personalizado o Cíclico (intervalos específicos).

4. EL AJUSTE ESTACIONAL

- cambia la duración de riego (como porcentaje) para todas las zonas asociadas con los horarios de operación en un programa individual. Esto puede ajustarse manualmente en la aplicación Rain Bird usando el deslizador en la configuración del programa.

AVISO

- Los días de riego aplican a todo el programa, no a las zonas individuales.

5. EL AJUSTE ESTACIONAL

- cambia la duración de riego (como porcentaje) para todas las zonas asociadas con los horarios de operación en un programa individual. Esto puede ajustarse manualmente en la aplicación Rain Bird usando el deslizador en la configuración del programa.

AVISO

- El controlador debe estar conectado a WiFi para hacer ajustes automáticos.

- Un valor de ajuste del 100 % representa la irrigación durante el tiempo promedio más caloroso del año, así que si está experimentando un clima calido en un día de verano, puede no ver un ajuste por encima del 100 %.

5. RETARDO POR LLUVIA:

- En la aplicación Rain Bird, apague manualmente el riego automático durante una cantidad fija de días cuando llueve, incluso sin un sensor de lluvia.

6. SUSPENDA EL RIEGO:

- En la aplicación Rain Bird, suspenda el riego automáticamente durante una cantidad fija de días cuando llueve, incluso sin un sensor de lluvia.

7. DESLIZADOR DE TIEMPO:

- Configure el deslizador de tiempo para retardar el riego automático.

8. SELECCIÓN DE HORARIO:

- Configure el horario para retardar el riego automático.

9. SELECCIÓN DE HORARIO:

- Configure el horario para retardar el riego automático.

10. SELECCIÓN DE HORARIO:

- Configure el horario para retardar el riego automático.

11. SELECCIÓN DE HORARIO:

- Configure el horario para retardar el riego automático.

12. SELECCIÓN DE HORARIO:

- Configure el horario para retardar el riego automático.

13. SELECCIÓN DE HORARIO:

- Configure el horario para retardar el riego automático.

14. SELECCIÓN DE HORARIO:

- Configure el horario para retardar el riego automático.

15. SELECCIÓN DE HORARIO:

- Configure el horario para retardar el riego automático.

16. SELECCIÓN DE HORARIO:

- Configure el horario para retardar el riego automático.

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