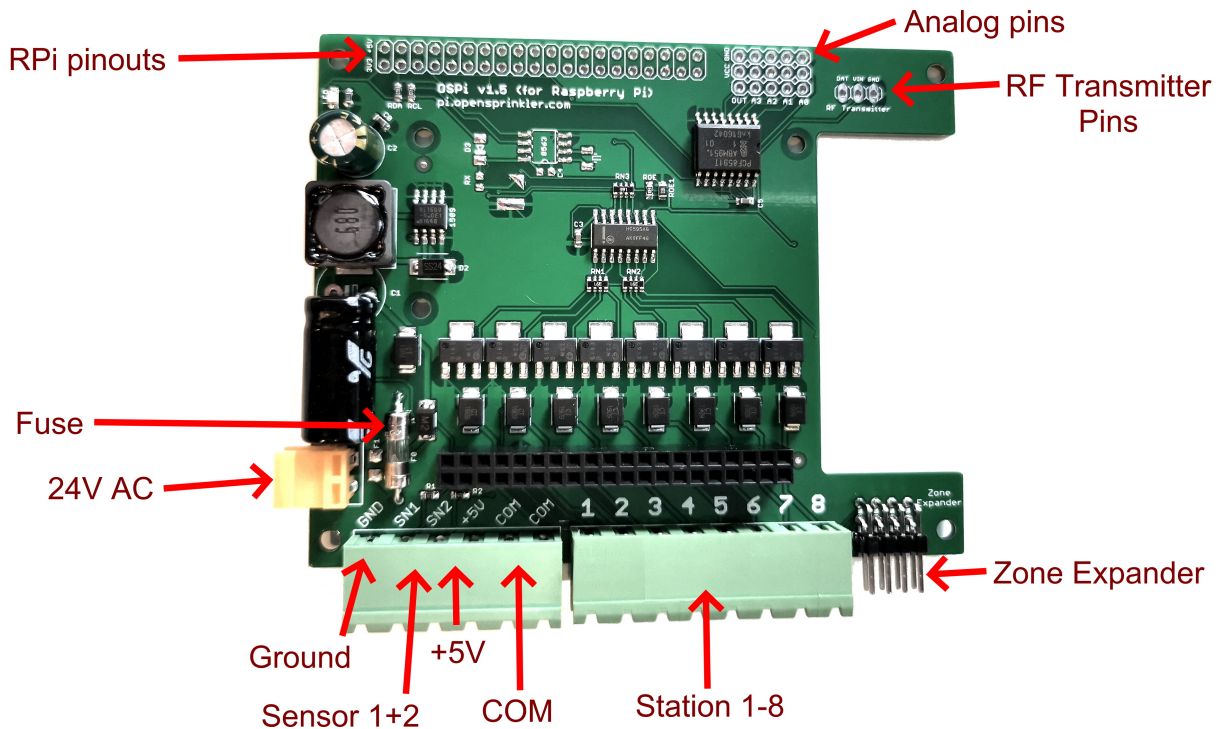


OpenSprinkler OSPI 1.5



- The easiest way to assemble the OpenSprinkler PI is to watch the YouTube video "Assembling OpenSprinkler PI" → Search them on <http://youtube.com>
- Further instructions and the link to the video can be found at <https://opensprinklershop.de/pi>
- Mount the OpenSprinkler PI as described, then install the software and finally connect it to your solenoid valves.
- Connect via APP (search for "OpenSprinkler" in the Play Store/Appstore") or connect via web browser (<http://ospi-ip:8080>)
- Note: When using a Raspberry PI 3 or 4, the power supply supplied by the OSPI may not be sufficient (OSPI supplies max $5V/2A=10W$, the Raspberry PI will restart if the power supply is insufficient). In this case please use the official Raspberry PI 3 or 4 power supply in addition to the 24VAC.
- Default password is "opendoor". Please change the password after your first login!
- Connect the solenoid valves to COM and stations 1-8.
- Sensor inputs at GND and SN1 or SN2
- +5V power supply is for sensors that need power.
- Power supply at the orange plug with 24V AC.

Assembly

The scope of delivery includes:

- 1x circuit board OSPi
- 1x plug green 6
- 1x plug green 8
- 1x plug orange
- 2x screw bolts M2,5x11+6
- 2x screws M2,5x6
- 4x screw bolt M3x10+6
- 4x distance bolt M3x15
- 8x screws M3x6

With these parts it is possible to mount the OSPi on a suitable surface or in an enclosure.

1. Use the 2x M2.5x11+6 bolts and 2x M2.5x6 screws to securely mount the attached Raspberry PI to the OSPi board. Depending on the Raspberry PI model, you can fix one or two of the three holes with a screw bolt.
2. a) Without OpenSprinkler case or own case or laser-cut acrylic case: You mount the 4x screw bolts M3x10+6, 4x spacer bolts M3x15 and 8x screws M3x6 into the 4 outer holes of the board. The M3x10+6 screws go on the underside, the M3x15 spacers are screwed on from above. You can then use the 8 screws to mount a base or lid.

b) With the OpenSprinkler enclosure: Use only the 4 M3x6 screws to fix the board in the enclosure. To make the M2x11+6 screws fit better, you should shorten the lower, narrower part (6mm) by half (approx. 3mm) and only then mount the Raspberry PI on it.

Software I

Go to <http://www.raspberrypi.org/help> and install the software on the SD cards as described. First click on "Get Started with Raspberry PI". You can then switch the language to "English" in the upper right corner.

Note: If you DO NOT want to or cannot connect a keyboard and screen to your Raspberry PI, you can access your PI with a trick over the network and the SSH console: Create an empty file named "SSH" on the boot volume of the SD card. SSH is then activated immediately after booting.

Software II

Go to <https://opensprinklershop.de/pi> and click on "Instructions for installing the OpenSprinkler firmware" and follow the instructions.