

spooresVALVE M7

QUICK START GUIDE



WARNINGS

This device works over your Wi-Fi, so it needs a reliable internet connection and it needs to be registered with Spoores. If this device is used with spooresLEAK sensor(s), it needs to be linked to those sensors in your device settings on my.spoores.com or the Spoores App.

This device requires 12 VDC to operate typically with the included 12 VDC converter (wall-wart). If electricity to the building is interrupted, the device can't control the valve and the valve will return to its default state: open if it is a normally-open (NO) valve or closed if it is a normally-closed (NC) valve.

YOU NEED...

- A router with 2.4GHz 802.11 b/g/n Wi-Fi connected to the internet
- A 12 VDC Solenoid Valve
- 18 AWG wire
- Drill
- 2.5mm (3/32") drill bit
- pencil

WHAT'S IN THE BOX



spooresVALVE



12 VDC Power Adapter



Hardware

INSTALLATION

It is recommended to have a professional plumber install the solenoid valve.

A convenient feature of spooresVALVE is its separation between its controller and the valve. This results in a number of advantages to the user including the ability to locate spooresVALVE indoors and/or above ground, in a location with a strong Wi-Fi signal, and it only requires running 12 VDC wire rather than AC high voltage. Additionally, spooresVALVE is capable of operating a variety of 12VDC solenoid valves up to 5A.

Locate the main water supply valve and close it. Turn on all faucets in the building to drain water from pipes.

Remove a section of pipe at the desired location such as just past the main inlet to the building and install the solenoid valve.

Remember to allow ample time for plumbers glue to dry before turning on the water.

INSTALLATION

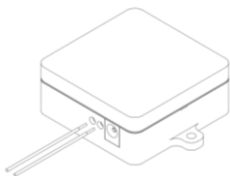
Place the spooresVALVE up against the wall it will be mounted to and mark the holes with a pencil. We recommend mounting spooresVALVE with the mounting holes aligned vertically and looping the cables so any morning dew doesn't roll down the cables and into the device potentially damaging the electronics.



Using the 2.5mm (3/32") drill bit, drill where you marked. Insert the anchors and secure spooresVALVE to the wall with the included screws.

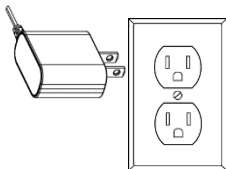
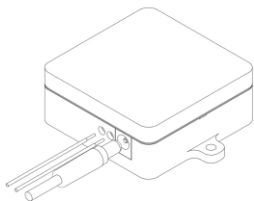
INSTALLATION

Insert 18 AWG wires into the two small holes on the side of spooresVALVE. They will click in place. Give them a little tug to make sure they are secure.



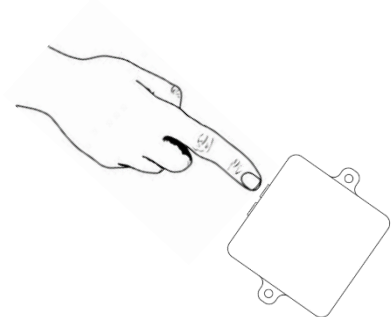
Connect the other ends of the wires to the 12 VDC solenoid valve.

Connect the power adapter to spooresVALVE and the wall outlet



SETUP

Hold down the SETUP button for 10 seconds or until light flashes purple.

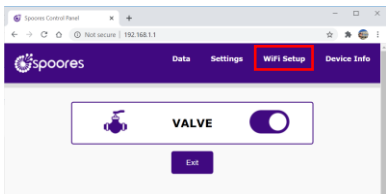


Connect to the device's Wi-Fi network. It will start with Spoores and end an alphanumeric code that is its device ID.

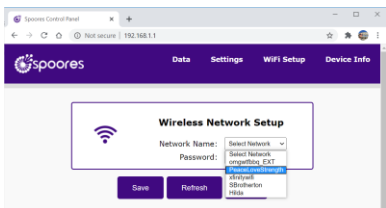
Once connected, in your web browser, go to 192.168.1.1.

CONFIGURATION

From 192.168.1.1, click/tap on WiFi Setup.



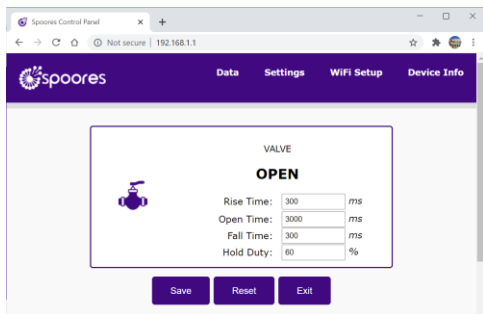
Select your Wi-Fi network from the list. If it isn't there, click Refresh.



Type in your password and click/tap Save.

ADVANCED CONFIGURATION

To customize various controls of the valve controller, click/tap Settings. Type in the desired custom settings and click/tap Save.



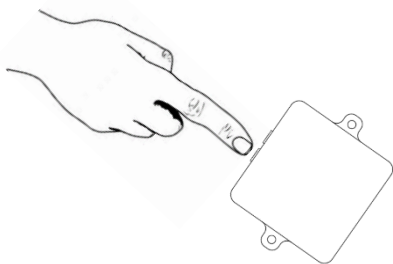
The screenshot shows a web browser window with the title "Spoores Control Panel". The address bar shows "Not secure | 192.168.1.1". The page has a dark blue header with the "spoores" logo and navigation links: "Data", "Settings", "WiFi Setup", and "Device Info". The main content area is titled "VALVE" and "OPEN". It features a valve icon on the left and four input fields on the right: "Rise Time: 300 ms", "Open Time: 3000 ms", "Fall Time: 300 ms", and "Hold Duty: 60 %". At the bottom, there are three buttons: "Save", "Reset", and "Exit".

VALVE	
OPEN	
	Rise Time: 300 ms
	Open Time: 3000 ms
	Fall Time: 300 ms
	Hold Duty: 60 %
Save Reset Exit	

When you're done, click/tap Exit.

OPERATION

To open & close the valve, press the OPEN/CLOSE button. Use the LED Guide to understand how the device is operating.



LED GUIDE

LED	DEVICE STATE
	Power Up
	Setup Mode & Valve Open
	Setup Mode & Valve Closed
	Communicating Data
	Connected to Server & Valve Open
	Connected to Server & Valve Closed
	Disconnected from Server & Valve Open
	Disconnected from Server & Valve Closed
	Disconnected from Internet & Valve Open
	Disconnected from Internet & Valve Closed
	Disconnected from WiFi Router & Valve Open
	Disconnected from WiFi Router & Valve Closed
	Device Error & Valve Open
	Device Error & Valve Closed
	Contact Spoores

SUPPORT

Can't control spooresVALVE from Spoores App:

Verify that spooresVALVE is online. Refer to the LED Guide to troubleshoot internet connection issues.

Verify pressing the OPEN/CLOSE button controls the valve.

Verify connections to the valve and spooresVALVE are secure.

Verify any manual overrides or manual valves are open.

Device isn't online:

If other internet devices are connected, run an internet speed test from your phone while standing near the spooresVALVE.

If you changed your WiFi password recently then see Setup section.

For more assistance go to spoores.com or send an e-mail to support@spoores.com.

