



Aqara Valve Controller T1 Introduction

Product Overview

The Aqara Smart Valve Controller is a valve controller based on the Zigbee wireless communication protocol, suitable for intelligent control, electric control (Controlled by the button on the device), and manual control of water pipelines. It can be linked with devices such as water leak sensors to achieve risk identification, notification, and handling, thereby protecting household property and personal safety.

The product is powered by four AA batteries, eliminating the need for wiring and power supply concerns.

The product supports various valve types, including straight valves and butterfly valves, and is compatible with 1/2-inch, 3/4-inch, and 1-inch pipelines, meeting the needs of most households.



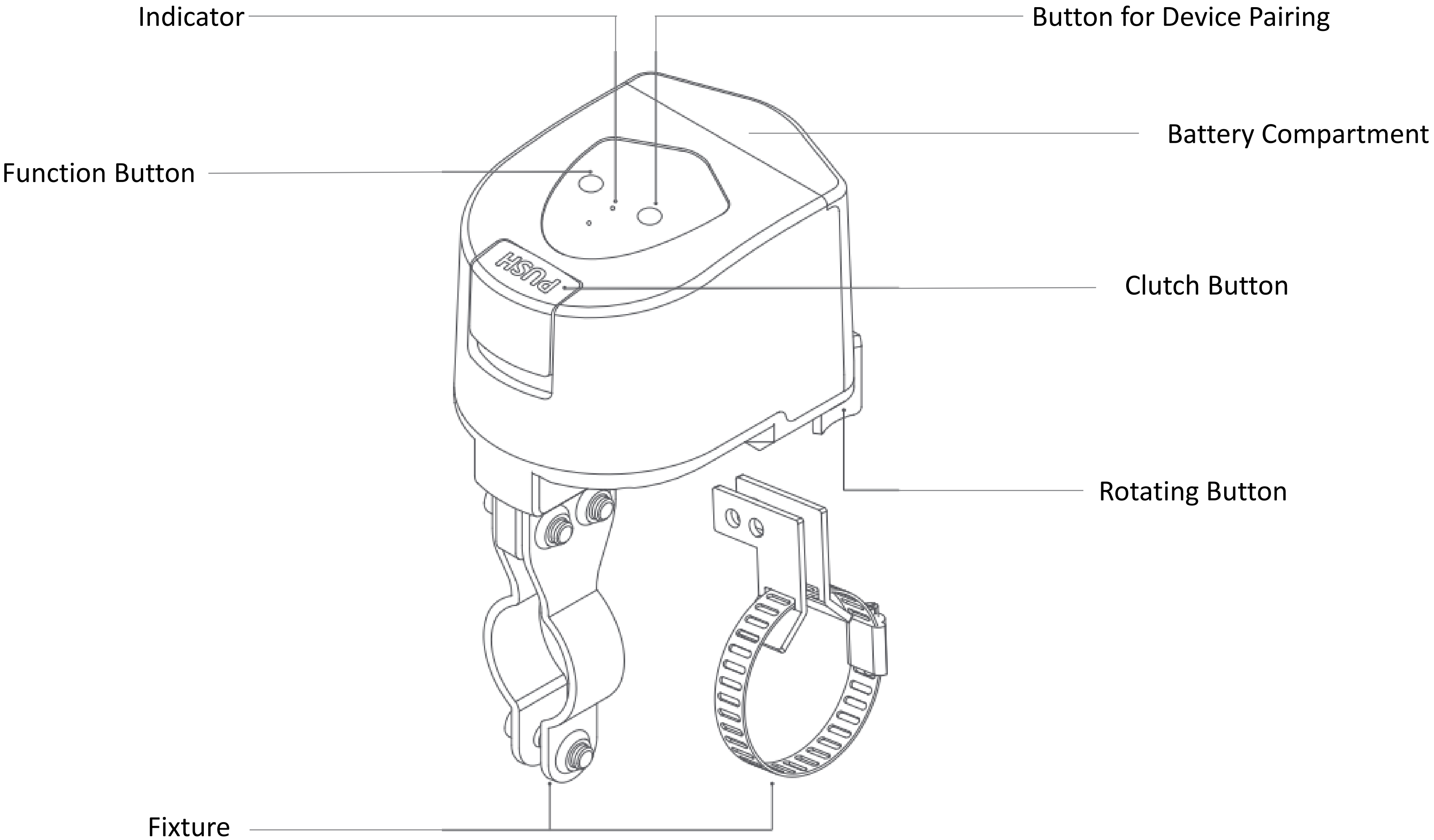
Product ID

Aqara



continuous connection

Product ID



Product Specifications

	Valve Controller T1
Product Model	VC-X01E (Online)/VC-X01E(Offline)
Product Dimension	93 × 72 × 84 mm(3.66 × 2.83 × 3.31 in.)
Color	White
Material	PC
Battery	AA*4
Battery Life	Two years (Turn the valve on and off once a day)
Actuation Time	5-20S
Wireless Protocol	Zigbee
Communication Distance	7m
Working Temperature	-10°C ~ 55°C (14°F ~ 131°F)
Storage Temperature	-20°C~+60°C
Working Humidity	0-95%, non-condensing
Dustproof and Waterproof	IP20
Valve Pressure	1.6MPa
Torque	30-60Kg.cm

What's in the Box?



- Product Body (Straight Valve Adapter)
- User Manual
- 1/2-inch and 3/4-inch Diameter Clamps
- Gasket
- 1-inch Diameter Clamp
- 1-inch Diameter Fixator
- Hex Key
- Screws *3
- AA Batteries *4
- Butterfly Valve Adapter (TBD)

Compatible Valves

Compatible pipe diameters by Aqara Valve Controller T1

Imperial measurements	Inner diameter	Outer diameter
1/2-inch pipelines	DN 15	21.3 mm
3/4-inch pipelines	DN 20	25 mm
1-inch pipelines	DN 25	32 mm

Supported valve types



Straight valve



Butterfly valve

Compatible Platforms

Platforms	States
Aiot	Support
HomeKit	Support
Alexa	Supported in August
Google	Supported in August
Sumsung SmartThings	Supported in August
IFTTT	Supported in August
Homey	Supported in August
Cloud	Supported in August
HomeAssistant	Supported in August

Product Scenarios



Household water valve
Support



Automatic water supply for farms
Support



Household gas valve
Not Support

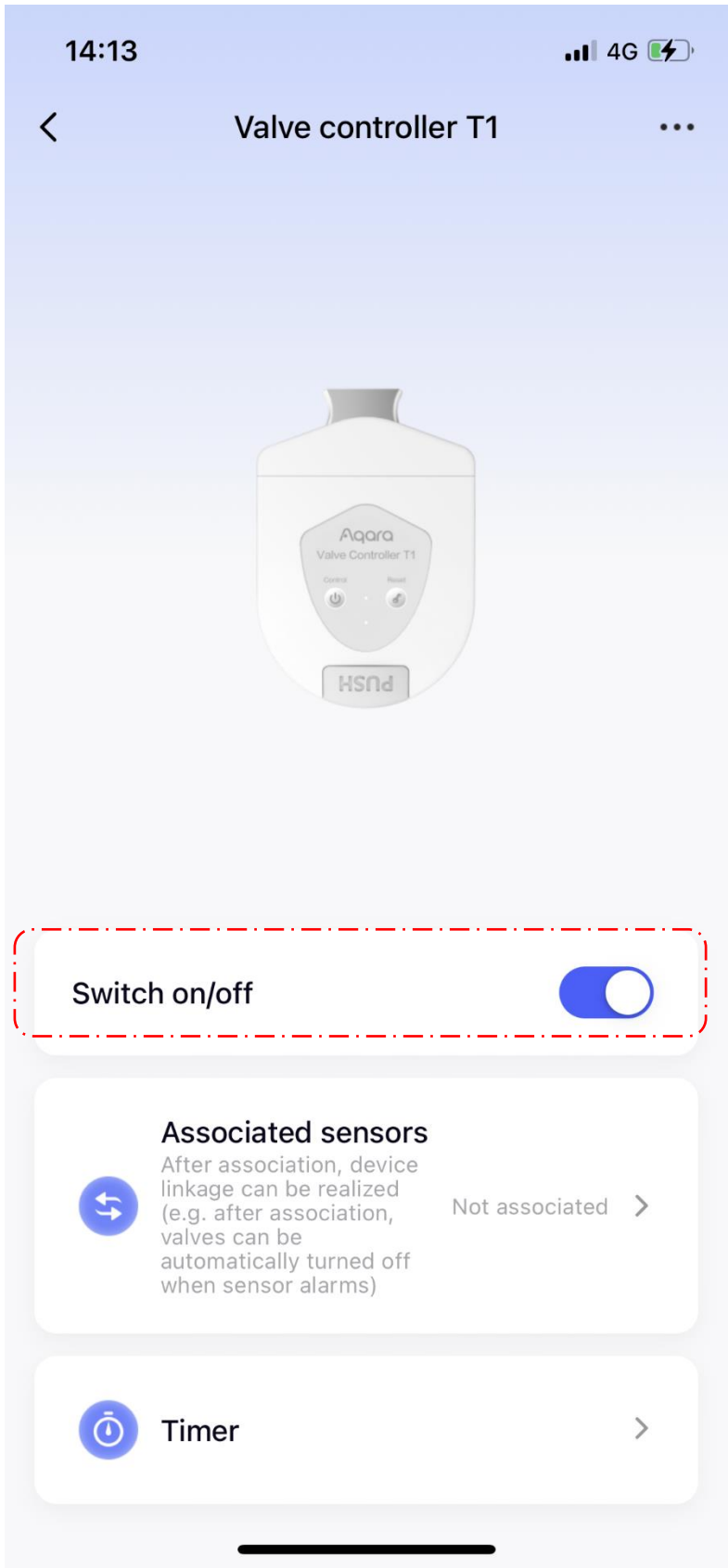


Automatic farmland irrigation
To be supported
Accessories for outdoor use will be introduced in the future.

Household Gas Supply Scenario
The device uses a brushed motor, which may generate sparks during operation (although the probability is extremely low). Therefore, in product promotion and sales, do not advertise its use in gas scenarios.

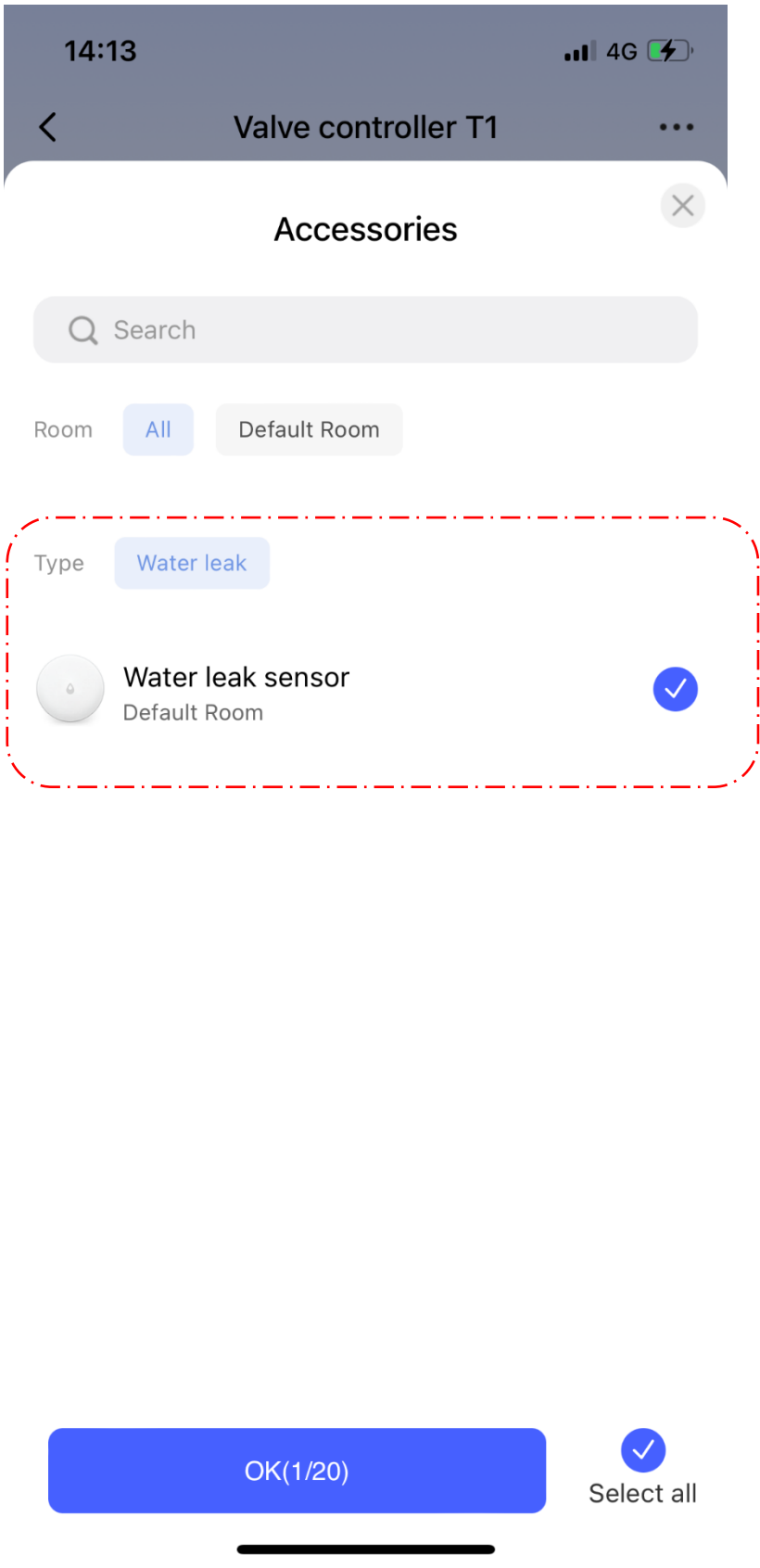
PS: The alarm threshold for the smoke and gas detector is 10% LEL, which is below the explosion concentration, so there is no risk of product explosion.

Basic Functions

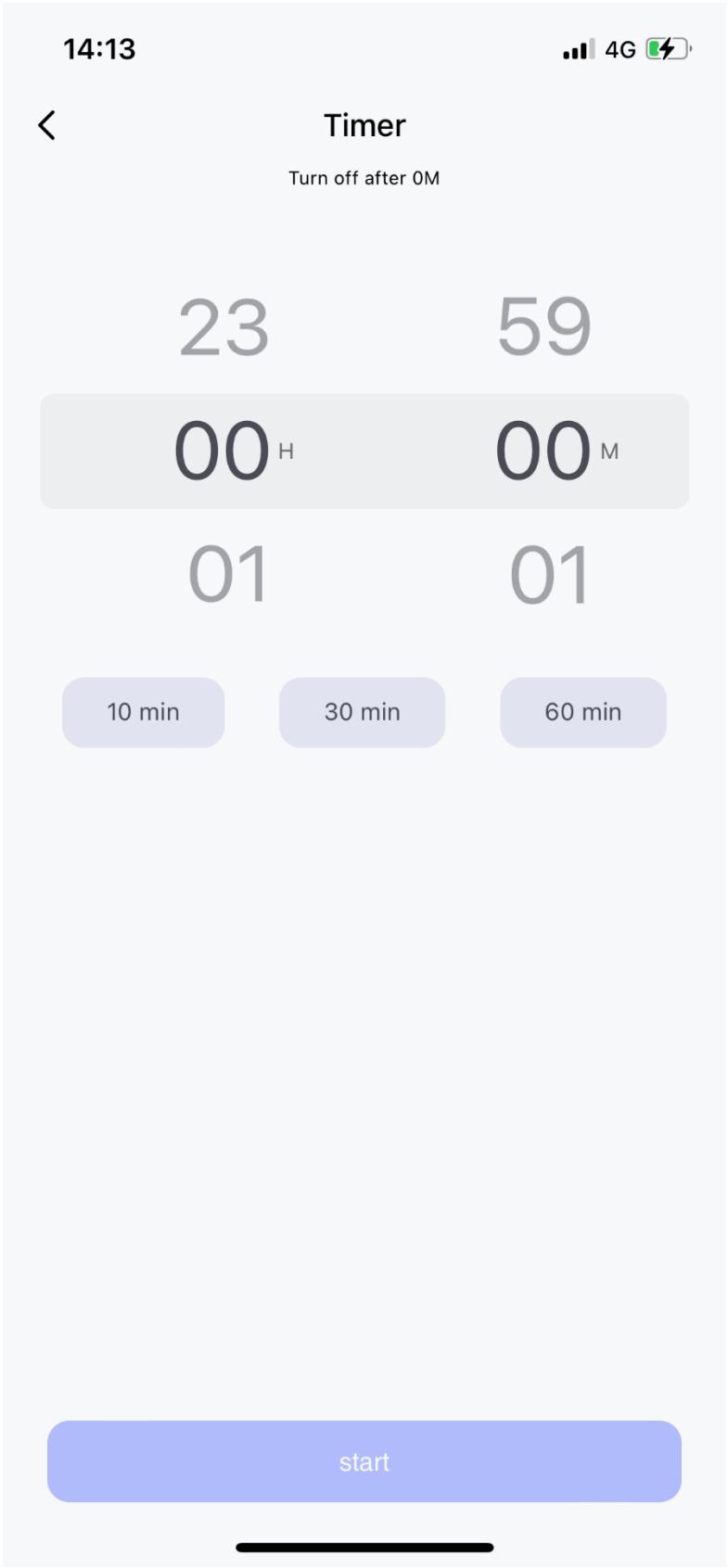


Remote control

When you are not at home, check the valve status through the app and remotely turn the valve on or off.

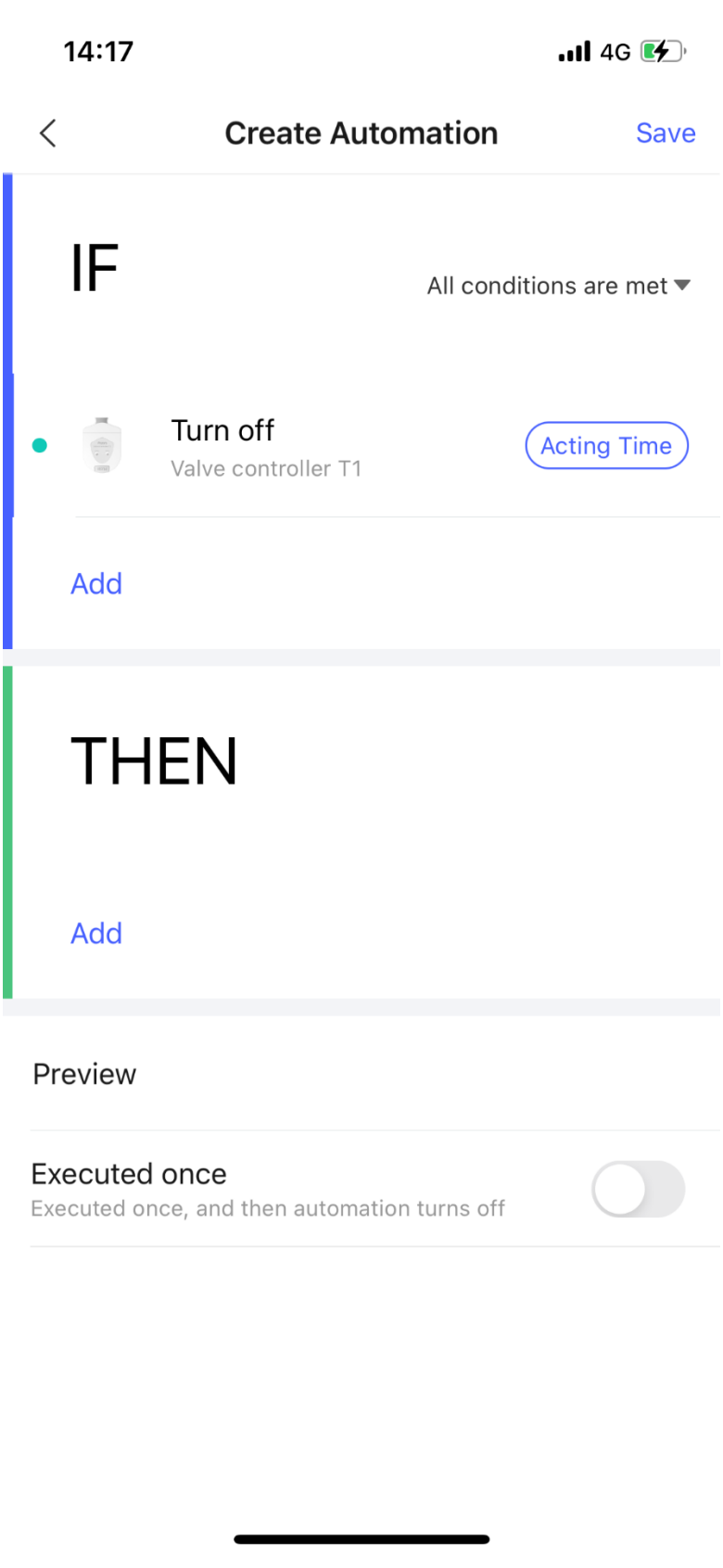


Associate with Aqara sensors



Countdown

Control the device usage duration by setting a countdown timer.



Automation

When a leak occurs at home, automatically close the valve through automation.

Supported Automation

Aqara Home App supports below automation for Valve controller T1 on Aqara Home App.

IF	THEN
Open	Open
Turn off	Turn off
Is on	
Is off	

Other Features

Hardware Function Name	Function Description
Manual Mode	Users can manually adjust the device using the PUSH button.
Device Self-test	When the user triggers the self-test function, the device will automatically perform an on-off action (if the device is in the on state, it will first perform an off action, and upon successful completion, it will perform an on action again. Thus, after issuing the self-test command, the device will return to its initial state upon completion). After the self-test is completed, the user needs to be notified whether the self-test was successful or failed. If the self-test fails, the user should be informed of the device malfunction. Note: During the self-test, the user should be prompted to observe whether the device installation and operation are correct. Frequency: Once a month
Device Alarm	1. Operation Timeout 2. Device Stalling
Low Power Alarm	When the device battery is low, prompt the user to replace the battery.

Buttons Description

Function Name	Function Description
Single-click the function button	Device works
Single-click the button of device pairing	Clear fault alarm
Triple-click the button of device pairing	Verify the communication distance
Quintuple-click the button of device pairing	Reset & Device pairing

THANK YOU