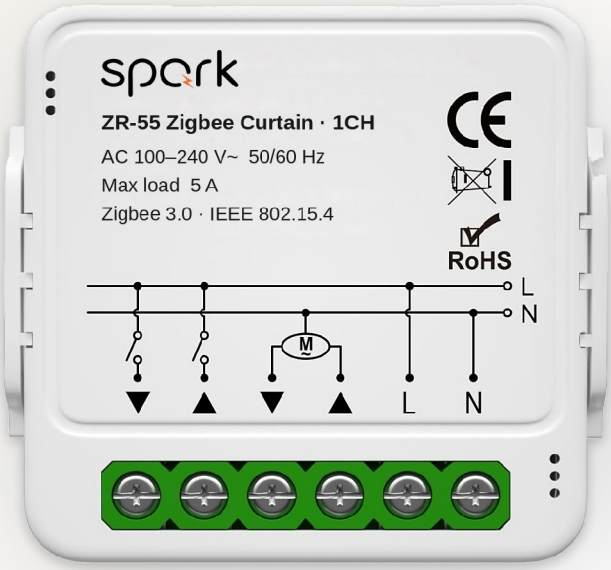
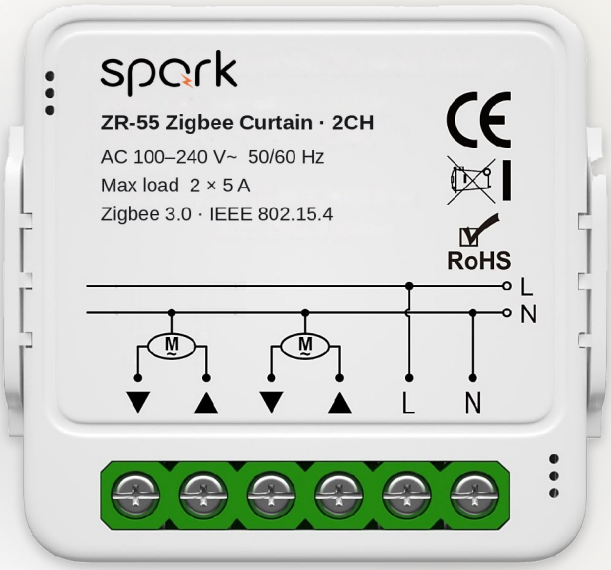


ZR-55 · 1CH · ONE MOTOR



ZR-55 · 2CH · TWO MOTORS

SHOWN: SPARK ZR-55 · 1CH AND 2CH

39.2 × 39.2 × 18 MM

SPARK ZR-55 · ZIGBEE CURTAIN & SHUTTER MODULE

Smart curtains, from the wall box.

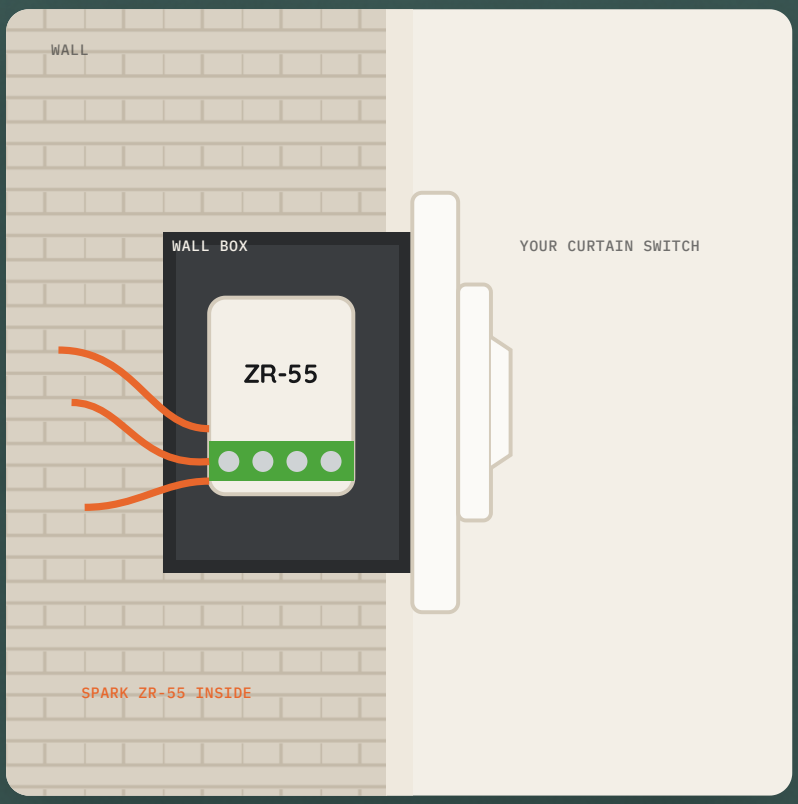
The Spark ZR-55 is a tiny Zigbee 3.0 module for motorised curtains, roller shutters and blinds. It fits in the wall box and lets you open and close from the app, by voice or on a schedule, through a Zigbee gateway. The 1CH runs one motor and keeps your wall push-buttons; the 2CH runs two motors.

- Zigbee 3.0
- 1 or 2 motors
- Up · Down · Stop
- Timer schedules
- Alexa · Google Home
- 39.2 × 39.2 × 18 mm

HOW IT FITS

Hidden in the wall. Your switch stays.

The ZR-55 sits in the wall box behind your curtain switch. The motor wiring stays where it is, and the wall buttons keep working.



1 **Power off**

Switch off the circuit at the breaker.

2 **Wire the ZR-55**

Connect L, N, the motor and the wall buttons to the module in the wall box.

3 **Refit your switch**

Put the switch plate back. The module is out of sight.

4 **Pair with Zigbee**

Add it to your Zigbee 3.0 smart home through a Zigbee gateway.

NEUTRAL

Needs L and N

The module has a neutral (N) terminal. A neutral wire is needed in the box.

YOUR CURTAIN SWITCH

Up / down buttons

The 1CH takes an up/down push-button switch. The 2CH runs from the app.

SAFETY

Qualified electrician

Installation should be done by a qualified electrician with the power off.

OPEN · STOP · CLOSE

Open the curtains from anywhere.

At home or away, your curtains and shutters follow the app, your voice, a timer, or the buttons on the wall.

App

Open, stop and close from anywhere.

Voice

Alexa and Google Home, through a Zigbee gateway.

Timer

Schedules open and close on their own.

Sharing

Share control with your family.

WALL BUTTONS · 1CH

Your wall buttons still work.

Press once to move

One press of ▲ up or ▼ down runs the curtain or shutter all the way to the end position.

Press again to stop

While it's moving up, press up again to stop it. While it's moving down, press down again.

Always in sync

The app and the wall buttons stay in sync; the last command wins.

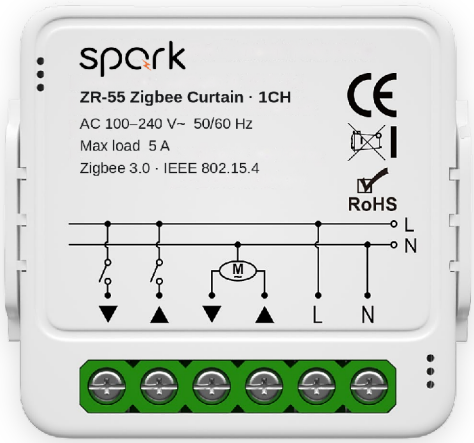
Wrong way round?

If the motor runs the opposite way, turn on motor reversal in the app. No rewiring needed.

CHOOSE YOUR VERSION

One motor or two, from one box.

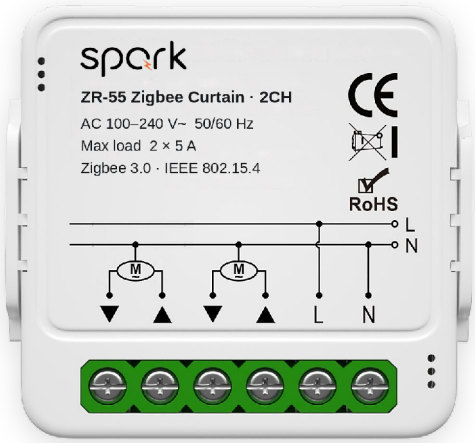
1 MOTOR



ZR-55 · 1CH

One motor, wall buttons

2 MOTORS



ZR-55 · 2CH

Two motors on their own

	ZR-55 · 1CH	ZR-55 · 2CH
Motors	1	2
Max load	5 A	2 × 5 A
Wall push-buttons	Up and down inputs	None, app, voice and timer
Terminals	S▼ · S▲ · M▼ · M▲ · L · N	M1▼ · M1▲ · M2▼ · M2▲ · L · N
Voltage	AC 100–240 V~, 50/60 Hz	AC 100–240 V~, 50/60 Hz
Wireless	Zigbee 3.0 · IEEE 802.15.4	Zigbee 3.0 · IEEE 802.15.4

TIP

A curtain and a shutter in the same room? One 2CH runs both motors. 2CH

WIRING

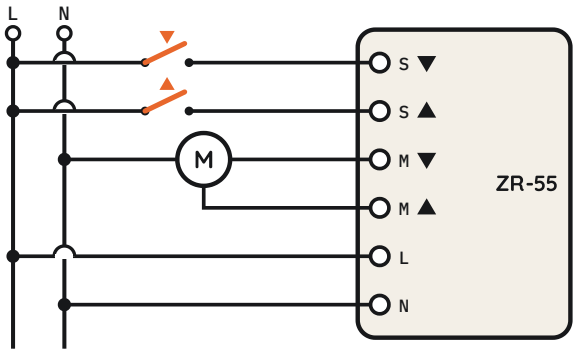
Motor, buttons, power.

Each motor has an up wire, a down wire and neutral. The 1CH also takes an up/down push-button switch.

ZR-55 · 1CH S▼ · S▲ · M▼ · M▲ · L · N

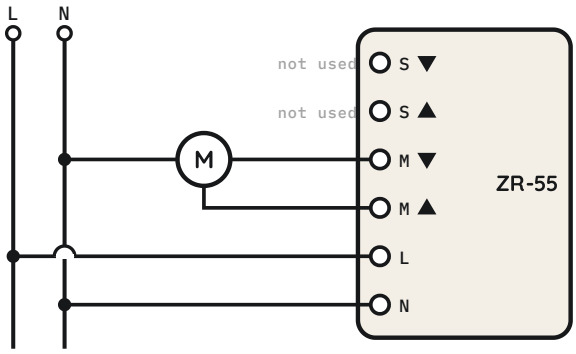
With wall buttons

Up/down push-button from L to the S terminals.



Without wall buttons

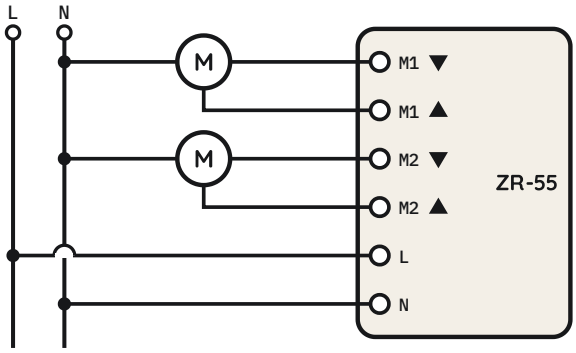
App, voice and timer only. S terminals not used.



ZR-55 · 2CH M1▼ · M1▲ · M2▼ · M2▲ · L · N

Two motors

Each motor on its own up and down terminals.



BEFORE YOU WIRE

1. Turn off the power at the breaker.
2. Connect the wires as shown.
3. Put the module in the wall box.
4. Turn the power on and add it in the app.

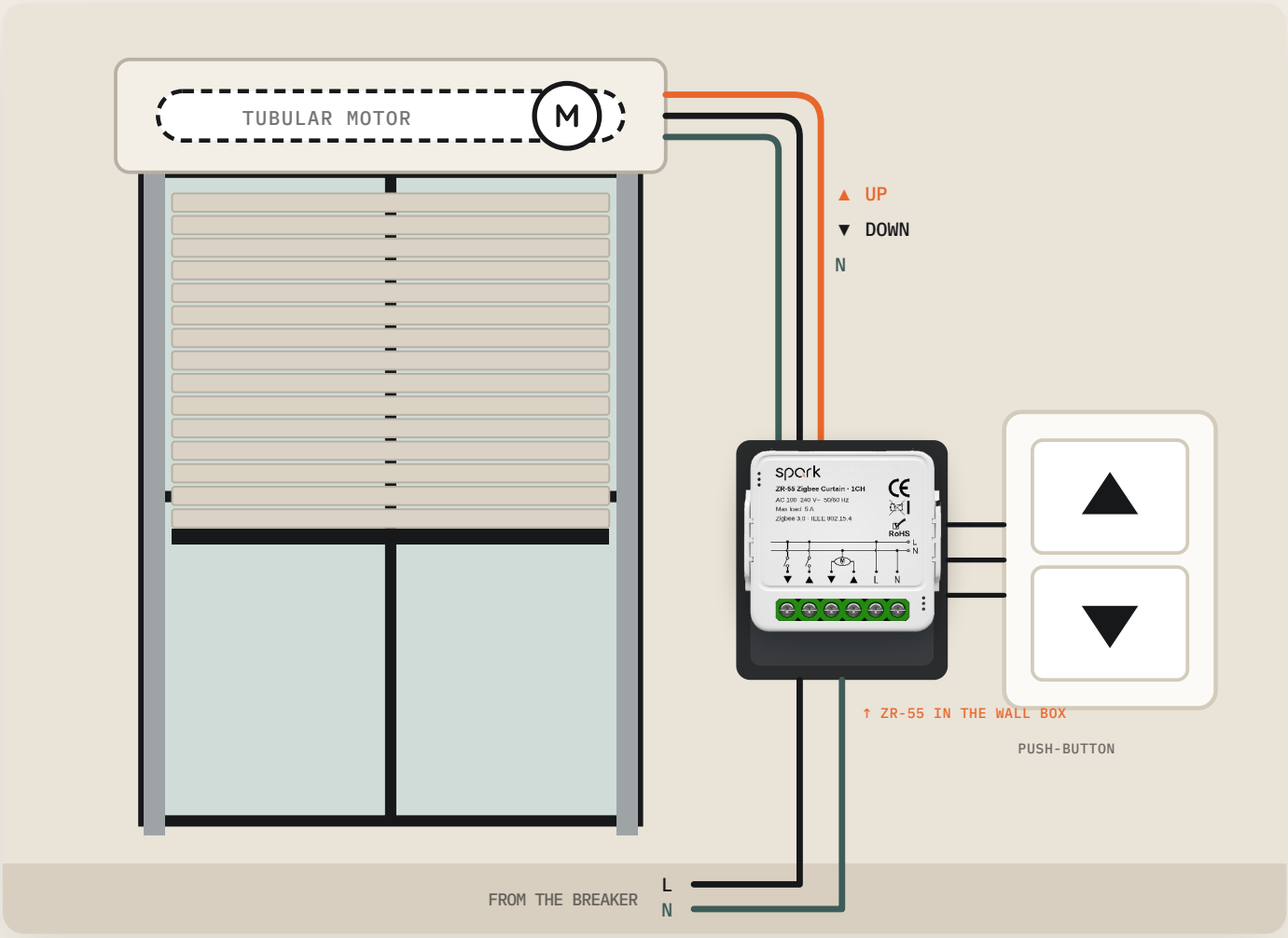
Installation by a qualified electrician, in line with local rules. Keep it away from water, damp and heat.

Ⓜ Curtain or shutter motor · Push-button · ▲ up · ▼ down

HOW IT WORKS WITH A SHUTTER

From the button to the shutter.

The shutter's tubular motor has an up wire, a down wire and neutral. The ZR-55 in the wall box decides which one gets power.



1 · UP

Press ▲ or tap Open

The module powers the up wire and the shutter rolls up to the top.

2 · DOWN

Press ▼ or tap Close

The module powers the down wire and the shutter rolls down.

3 · STOP

Press the same button again

The shutter stops where it is. Tap Stop in the app to do the same.

Illustration. Connect the motor's earth wire to the earth in the wall box, not to the module. Power off before wiring; installation by a qualified electrician.

WHY IT WORKS

Small module. Smart curtains.

Zigbee 3.0

Joins your Zigbee smart home through a Zigbee gateway.

Curtains & shutters

For motorised curtains, roller shutters and blinds.

39.2 × 39.2 × 18 mm

Fits in the wall box behind your switch.

Timer schedules

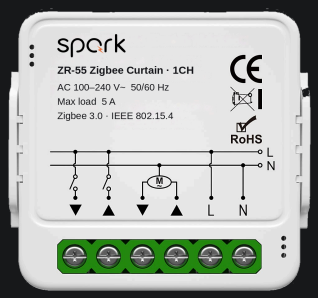
Open in the morning, close at night, on their own.

SPECIFICATIONS

Model	**Spark ZR-55**
Product	**Zigbee curtain & shutter module**
Versions	**1CH (1 motor) · 2CH (2 motors)**
Voltage	**AC 100–240 V~, 50/60 Hz**
Max load	**1CH 5 A · 2CH 2 × 5 A**
Wall push-buttons	**1CH: up / down inputs**
Protocol	**Zigbee 3.0 · IEEE 802.15.4**
Frequency	**2.405–2.480 GHz**
Range	**< 100 m**
Working temperature	**−10 °C to +40 °C**
Dimensions	**39.2 × 39.2 × 18 mm**
IP rating	**IP20**
Voice	**Alexa · Google Home, via gateway**
Neutral	**Required**

PART OF THE SPARK HOME

Make the curtains you have smart, without changing the wall.



spark

SPARK-HOME.COM