

Smart dry contact module

NS-PRSM | 1 CHANNEL | ZIGBEE | 110-240 V AC

ISOLATE BEFORE OPENING OR WIRING

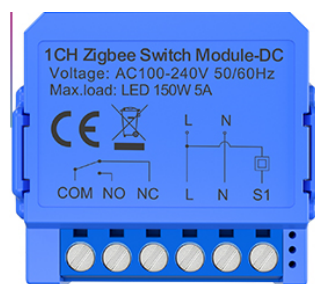
Installation and electrical testing by a qualified electrical installer. Isolate all supplies, secure against reconnection and prove dead. An app OFF command does not provide safe isolation.

01 / IDENTIFICATION & RATINGS

Supply	110-240 V AC, 50/60 Hz; L and N required
Output	One dry-contact relay: COM / NO / NC
Published load rating	5 A; LED load 150 W
Communication	Zigbee 3.0; compatible NETUS gateway required
Control	NETUS App; adjustable inching; external switch input S1
Size / environment	39 x 39 x 19.4 mm; IP20; -10°C to +40°C

This guide covers the NS-PRSM AC-powered Zigbee module for a compatible gate or garage-door controller. Use the terminal markings on the delivered unit. The relay provides a trigger contact; it does not power the gate motor.

02 / FIT & SECURE



Module / front view

01 Check the installation point

Provide a suitable dry enclosure, cable clearance and a permanent L/N supply. Confirm the gate controller accepts a dry-contact trigger.

02 Wire and secure the module

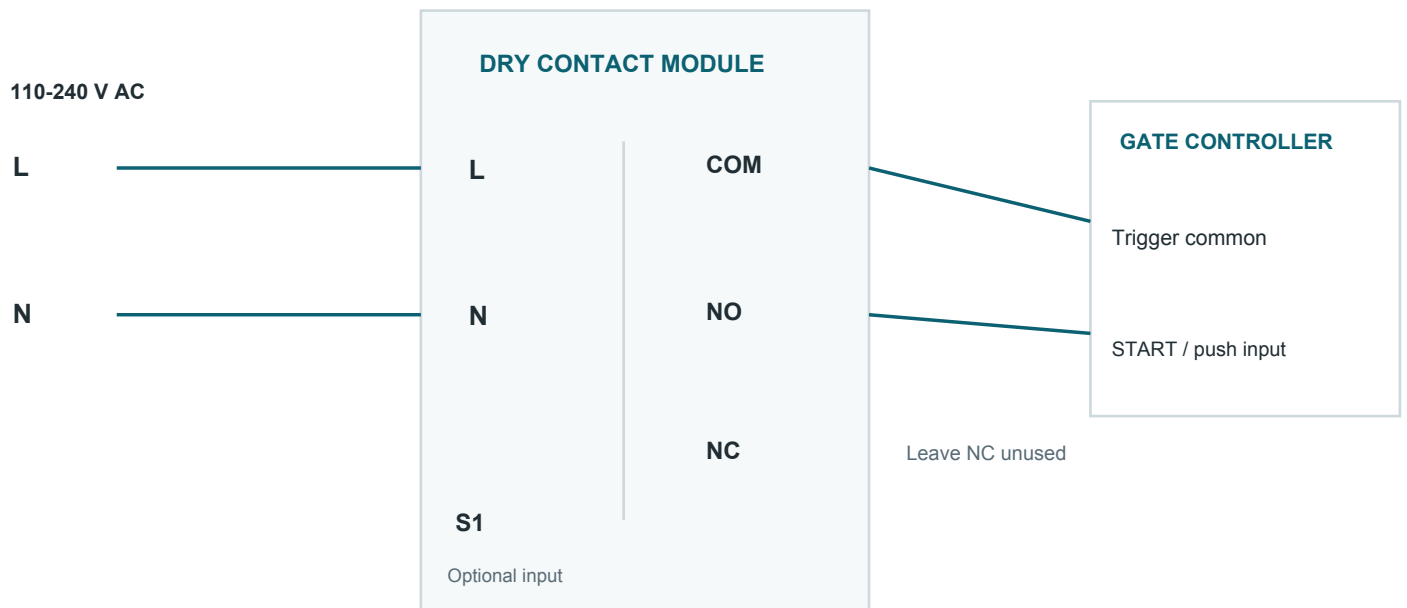
Connect as shown on page 2. Secure the module without straining terminals or trapping wires. DIN rail mounting requires a suitable bracket.

Obtain the terminal torque, conductor size and strip length for the delivered unit before installation. Fit all covers and complete electrical checks before energising.

Connect the gate control

FUNCTIONAL DIAGRAM / NORMALLY OPEN TRIGGER

Identify terminals by their markings. This diagram shows electrical connections, not physical terminal positions. Gate controller terminal names vary; follow its installation manual.



Do not bridge L to COM or apply mains voltage to the gate trigger input. Use COM and NO only where the gate controller requires a normally open, volt-free contact.

TERMINAL SCHEDULE

L / N	Module AC supply: active / neutral.
COM / NO	Dry-contact pair to the gate controller trigger input.
NC	Normally closed contact; unused in the diagram above.
S1 (optional)	External switch input. Supplier AC diagram shows a switch between L and S1; treat this wiring as mains voltage.

BEFORE ENERGISING

Verify polarity, termination security, enclosure, circuit protection and protective-earth continuity where applicable. Keep mains and gate control wiring appropriately segregated. Do not connect PE to any module signal terminal. Use test methods suitable for connected electronics.

Add the module in the app

03 Prepare the NETUS App

Sign in and select the correct Home. Add a compatible NETUS gateway and check that it is online. Follow the gateway instructions for its network connection.

04 Power up and enter pairing mode

After electrical verification, energise the enclosed module. Place it in Zigbee pairing mode using the procedure specified for the delivered module. Keep the gate movement area clear during commissioning.

Pairing button sequence and hold time must be confirmed for the delivered module. Obtain the module-specific procedure from NETUS before commissioning.

05 Add through the gateway

Open the gateway in NETUS App and select Add subdevice (or Add device). Start discovery with the module in pairing mode and within gateway range. Follow the prompts until it is added.

06 Name the device

Choose a clear name such as Garage Door or Driveway Gate, assign its room and save. Open the module control page. Where supported, long-press the switch control to edit its name.

07 Configure inching before normal use

Follow page 4 to enable automatic switch-off and select a delay suited to the gate controller. Verify that one app command produces one intended trigger.

IF THE DEVICE DOES NOT APPEAR

Check gateway status, Zigbee range and the module pairing procedure. Retry discovery through the gateway device page. If the module also fails locally, isolate before checking the supply or wiring.

Menu wording may vary with the NETUS App version and device firmware.

Set up momentary operation

ADJUSTABLE AUTOMATIC SWITCH-OFF

Inching mode automatically switches the relay OFF after each ON command and the selected delay. This provides a momentary trigger for a compatible gate or garage-door controller.

SET UP IN THE NETUS APP

08 Open the timer menu

Open the module control page and select Timer, then Inching switch. Open this setting to configure automatic switch-off.

09 Enable inching and set the delay

Turn the inching toggle ON and choose the minutes and seconds. For example, select 00 min 02 sec for a 2-second pulse. Use the trigger duration required by the gate controller; 2 seconds is an example, not a universal setting.

10 Save and verify the setting

Save or confirm if prompted, then reopen the setting to check it is retained. Send one ON command and verify that the relay returns to OFF after the selected delay.

RELAY STATE IS NOT DOOR POSITION

App ON/OFF indicates the relay state. It does not confirm that the gate is open or closed. The actual movement sequence is determined by the gate controller.

TEST & HAND OVER

Keep the movement area clear. Test app control and any fitted local switch. Confirm one pulse produces the intended response and that the relay releases. Verify the gate controller's safety devices according to its own instructions.

Test behaviour after power restoration and with the gateway or internet unavailable. Record the result, confirm the inching setting remains correct, and show the owner how to send a single trigger.

Installer / date: _____ Pulse duration: _____ s Tested: _____