



# I4

## 4-input module · WiFi

Four push-buttons or contacts published to KNX, Modbus, Matter and IP. No outputs.

**4**

INPUTS

**4**

GESTURES

**WiFi**

2.4 GHZ

**mini**

WALL BOX

PART NUMBER **S-IW004**FAMILY **Inputs**FIRMWARE **4.3.14**

# Installation and user manual

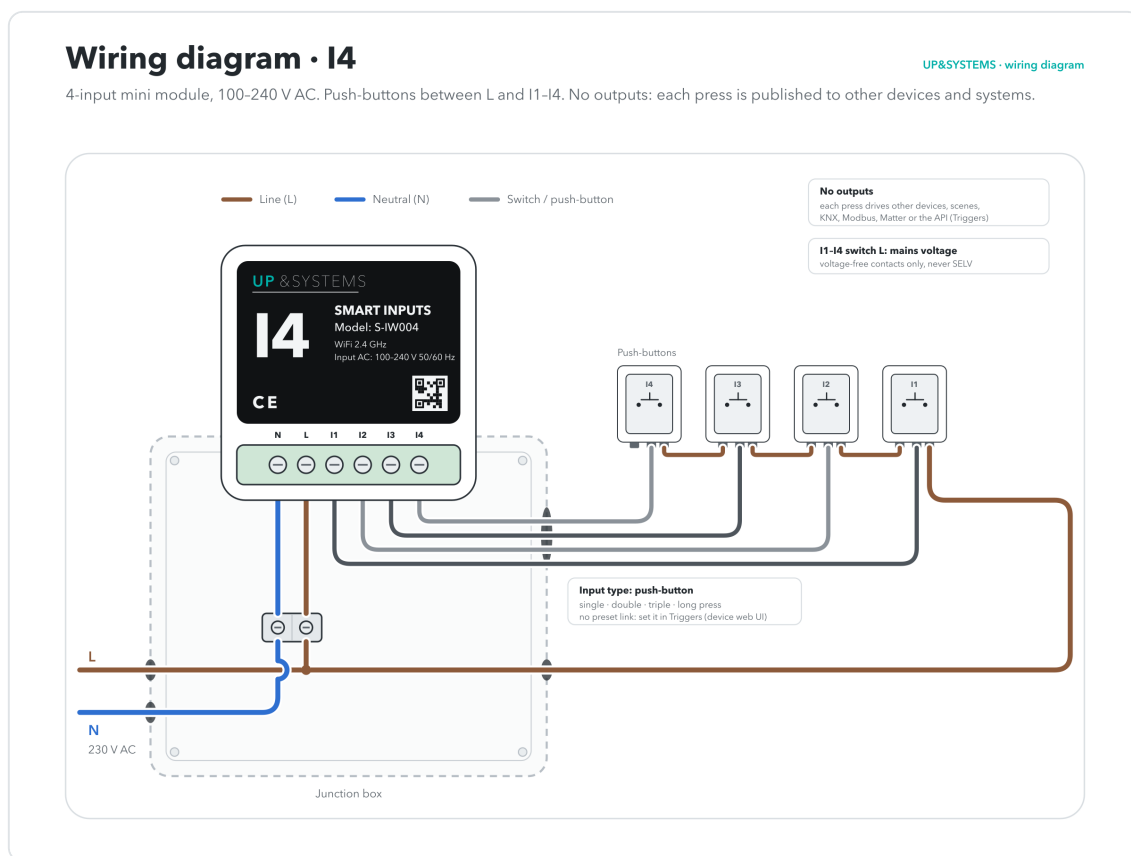
## SAFETY

- This device is wired directly to 230 V and its internal circuit is not isolated from the mains. Installation must be carried out by qualified personnel with the power disconnected.
- Always install inside a closed enclosure or panel. Never touch the board while powered.
- Inputs I1-I4 carry mains voltage: wire only voltage-free push-buttons or switches, never SELV circuits or other devices' inputs.

## INSTALLATION

- Power: 100-240 VAC on the L and N terminals shown in the drawing.
- Inputs: push-button or switch between L and I1-I4, at mains voltage. Supply: L and N on their terminals. No outputs.
- Terminals, dimensions and position of each connection: see the technical drawing at the end of this document.

## WIRING DIAGRAM · PUSH-BUTTONS (DEFAULT)



1 more wiring cases on the following pages.

**The load is not wired to the push-button: it goes to the device output. The push-button only gives the command.**

1. Push-buttons or switches close a contact between the L terminal and the input. Wire them with the power disconnected.
2. Several push-buttons of the same circuit (two points, staircase) are wired in parallel to the same input. Existing two-way or intermediate switches can be kept as a contact (see the sheets).
3. This device has no outputs: every press is published to KNX, Modbus, Matter and the API so that another device acts.
4. In the web interface, Inputs → type 'push-button' (with gestures: single, double, triple and long) or 'contact' (maintained switch or two-way switch, every position change toggles).
5. No input is linked by default. Triggers decide what each gesture does: for example 'IN1 single press →

scene on another system'. Double or long press can fire another action or a scene.

## WHICH DEVICE TO USE AND HOW TO CONFIGURE IT

| Device (trade name)              | What it is                                                                     | How to wire it to the I4                                                                                                     | Type in Inputs                                     |
|----------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Push-button (retractive switch)  | Returns by itself when released (bell push or light push-button). Recommended. | Between INx and L                                                                                                            | Push-button: single, double, triple and long press |
| One-way switch                   | Stays on or off. The classic switch for one light from one place.              | Between INx and L                                                                                                            | Contact: every position change toggles the output  |
| Two-way switch (staircase)       | Installed in pairs to control one light from two places. Three terminals.      | Not needed with the device: each place becomes a push-button on the same input. If kept: common to L and one position to INx | Contact                                            |
| Intermediate switch              | The middle one when there are three or more places (long corridors, stairs).   | Replace with push-buttons in parallel on the same input                                                                      | –                                                  |
| Window contact, detector, sensor | Any device with a volt-free contact (NO or NC).                                | Between INx and L                                                                                                            | Contact; if NC, enable invert                      |

## FIRST START

1. Power up. The LED goes through magenta and cyan. With no WiFi configured it settles on red: this is normal.
2. If the access point is not active, triple-click the button. The LED turns magenta.
3. From a phone, join the WiFi network UP-XXXXX (password up123456) and open <http://192.168.4.1> if it does not open by itself.
4. In Settings → Network, choose the 2.4 GHz WiFi network and enter its password. Save.
5. Afterwards reach the device at <http://UP-XXXXX.local> or at the IP shown by the router. In Settings → User, enable user and password before leaving the installation.
6. The access point switches itself off after 10 minutes without clients.

- KNX routing mode (multicast 224.0.23.12:3671) by default; tunnelling by entering the gateway IP. Physical address in the Knx-IP tab.
- Matter: QR code on the device's /matter page. Add from Apple Home, Google Home or Alexa like any Matter accessory (same local network).
- Savant, Crestron Home, RTI, Vantage and URC: request the driver or profile for this model from UP&SYSTEMS.

## FIRMWARE UPDATE

- Settings → System → Firmware Update. Check update looks online for a new version (Stable or Beta channel) and installs it. A .bin file can also be uploaded.
- Do not disconnect the device during the update. It restarts by itself when done.

## USING THE WEB INTERFACE

- Inputs tab: real-time state, name, type, debounce, double/triple-press window and per-event counters.
- Triggers tab: 'event → action' rules. Source: an input or output and its event (single, double, triple, long press, on, brightness change...). Action: one or more URLs, local or external. Use it to link a push-button to an output, fire scenes or notify another system.

## INTEGRATION

- KNX: per input, a DPT 1.001 state object and press events. Modbus TCP: inputs in discrete inputs 1...4 and input registers 21+.

## STATUS LED

|         |                  |                                           |
|---------|------------------|-------------------------------------------|
| Magenta | slow             | Booting, or access point active           |
| Cyan    | fast             | Searching for network                     |
| Blue    | slow             | Connected (WiFi or cable)                 |
| Red     | 3 blinks + pause | No network connection                     |
| White   | steady           | Restarting                                |
| White   | medium           | Identify mode (60 s)                      |
| Yellow  | medium / fast    | Button held 1-3 s                         |
| Red     | very fast        | Button held 4-5 s: about to factory reset |

## BUTTON

|               |                                               |
|---------------|-----------------------------------------------|
| 1 short click | Configurable local action                     |
| Triple click  | Turns the configuration access point on / off |
| Hold 3 s      | Restart (nothing is erased)                   |
| Hold 5 s      | Factory reset (erases all configuration)      |

## INTERFACE TABS

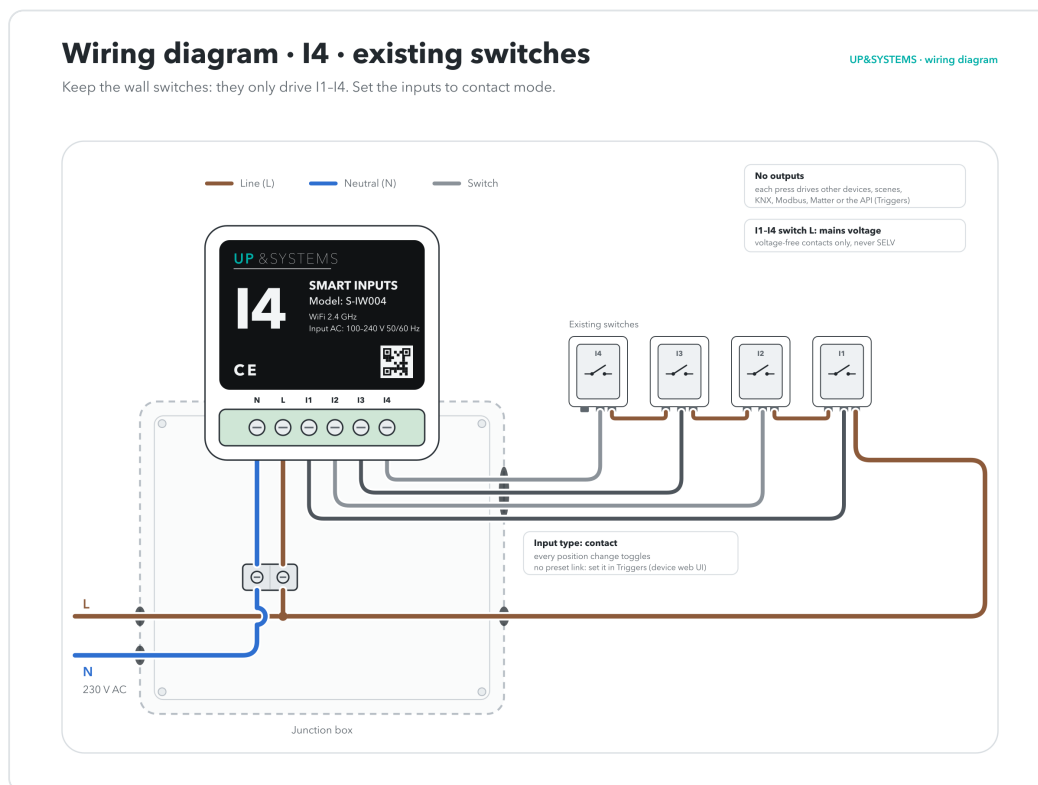
|                 |                                                                         |
|-----------------|-------------------------------------------------------------------------|
| Dashboard       | Device status, connectivity, version, KNX and Modbus                    |
| Output          | Control and name the outputs                                            |
| Inputs          | View and configure the inputs                                           |
| Triggers        | Automations: when X happens, do Y                                       |
| Monitor         | Live log for diagnostics                                                |
| Knx-IP · Modbus | Protocol configuration                                                  |
| Settings        | User and password, network, name, restart, update, configuration backup |

## TROUBLESHOOTING

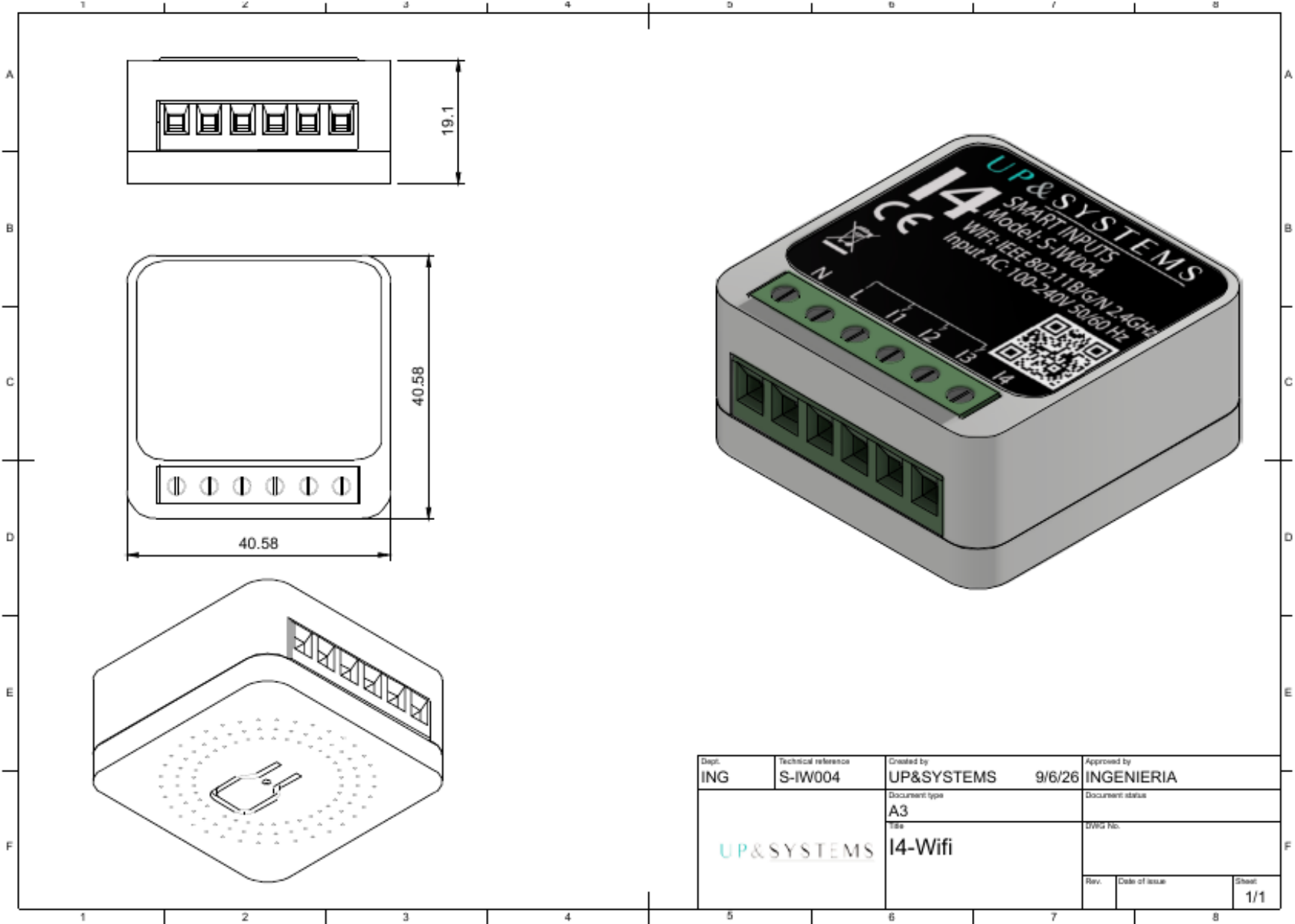
|                              |                                                                              |
|------------------------------|------------------------------------------------------------------------------|
| No LED, nothing powers up    | Check voltage on L and N.                                                    |
| LED steady red               | No network. Configure WiFi in Settings → Network. 2.4 GHz networks only.     |
| UP-XXXXX network not visible | Triple-click the button. It switches off after 10 minutes.                   |
| Forgotten password           | Hold the button 5 seconds until the LED blinks red very fast: factory reset. |

## Wiring cases 1-1 / 1

Same module and same label in both cases. No outputs: every press acts on other devices, scenes or systems. No input is linked by default: create the links in Triggers (device web UI).



1. Existing switches, contact mode



|              |                                |                          |                 |                           |
|--------------|--------------------------------|--------------------------|-----------------|---------------------------|
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