

EU DECLARATION OF CONFORMITY

DoC No.: OS40-EU-001, Issue: 01

1. Radio equipment

Product: OpenSprinkler v4.0 – Wi-Fi Smart Irrigation Controller

Model / type designation: OS40-AC

Serial number: as marked on the product

2. Manufacturer

OpenSprinkler, 5 Valley Ln, Amherst, MA 01002, United States (info@opensprinkler.com)

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Object of the declaration

Smart irrigation controller for controlling 24 VAC irrigation solenoid valves, incorporating an Espressif ESP32-C6-WROOM-1 radio module with integrated PCB antenna, providing IEEE 802.11b/g/n/ax (2.4 GHz), Bluetooth Low Energy and IEEE 802.15.4 connectivity.

The product is powered from an external safety extra-low-voltage source, rated 24 VAC, 50 Hz, SELV, maximum 30 V rms open-circuit, which is not supplied with the product.

5. Applicable Union harmonisation legislation

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

- Directive 2014/53/EU (Radio Equipment Directive)
- Directive 2011/65/EU as amended by Commission Delegated Directive (EU) 2015/863 (RoHS)

6. References to the relevant harmonised standards used or other technical specifications

Essential requirement	Standard
Art. 3.1(a) – Health and safety	EN IEC 62368-1:2020 + A11:2020
Art. 3.1(a) – RF exposure	EN 50665:2017
Art. 3.1(b) – Electromagnetic compatibility	EN 301 489-1 V2.2.3; EN 301 489-17 V3.3.1
Art. 3.2 – Efficient use of radio spectrum	EN 300 328 V2.2.2
Art. 3.3(d) – Network protection	EN 18031-1:2024
Art. 3.3(e) – Protection of personal data and privacy	EN 18031-2:2024
Directive 2011/65/EU – RoHS	EN IEC 63000:2018

7. Notified body

Not applicable.

8. Accessories, components and software

The following are covered by this declaration and allow the radio equipment to operate as intended:

- Espressif ESP32-C6-WROOM-1 radio module with integrated PCB antenna
- OpenSprinkler v4.0 production firmware, version 2.2.1(6)

9. Additional information

Economic operator established in the Union (Regulation (EU) 2019/1020, Article 4):

Checkbox IT GmbH, Kronauer Str. 88, 68753 Waghäusel, Germany (info@checkboxit.de)

Signed for and on behalf of: **OpenSprinkler**

Place of issue: Amherst, Massachusetts, United States Date of issue: 2026-09-20

Name: Ray Wang Function: Managing Member

Signature: 