

EU DECLARATION OF CONFORMITY

in accordance with Regulation (EC) No 765/2008 and Decision No 768/2008/EC

Document No.: DoC-DIM-420-R1-V1.1

1. Manufacturer

Company name	ISYSTEMS AUTOMATION S.R.L.
Trading as	HomeMaster®
Registered office (sediul social)	Str. Domnișori, Nr. 81, Bl. 62, Scara A, Etaj 3, Ap. 12, 100284 Ploiești, Jud. Prahova, Romania
Office / Contact address	Diligentei 18, Ploiești, Romania
CUI / VAT	RO 21537032
EUID / Trade Registry	ROONRC.J2007000919293
EU Trade Mark	HOMEMASTER — EUTM No. 019082911 (EUIPO, registered 15/01/2025)
Telephone	+40 747 757 798
Website	https://www.home-master.eu

2. Object of the Declaration

Product name	HomeMaster DIM-420-R1
Part number	DIM-420-R1
Hardware version	V1.0
Description	RP2350A-based DIN-rail dual-channel AC phase-cut dimmer module with MOSFET-based power stage. Provides 2 dimming channels (8 mains terminals, leading/trailing edge), 4 opto-isolated digital inputs, 4 buttons + 4 LEDs, RS-485 Modbus RTU and USB-C configuration.
Power input	24 V DC nominal (SELV input); 2 × AC mains pass-through channels (85–265 V AC)
Communication	RS-485 Modbus RTU + USB-C (no wireless)

3. Statement of Responsibility

This Declaration of Conformity is issued under the sole responsibility of the manufacturer named above. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation listed below.

4. Applicable Union Harmonisation Legislation

Directive / Regulation	Subject
Directive 2014/30/EU (EMC)	Electromagnetic Compatibility
Directive 2014/35/EU (LVD)	Low Voltage Directive

Directive 2011/65/EU (RoHS)	Restriction of Hazardous Substances
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5. Harmonised Standards Applied

Conformity with the directives listed in Section 4 has been demonstrated through the application of the following harmonised standards:

Area	Standards
EMC – Emissions (Class B)	EN 55032:2015 + AC:2016-07 + A11:2020 + A1:2020
EMC – Immunity	EN 55035:2017 + A11:2020
Electrical Safety	EN 62368-1
RoHS technical documentation	EN IEC 63000

6. Additional Information

Technical documentation supporting this declaration is held by ISYSTEMS AUTOMATION S.R.L. at the address listed in Section 1 and is available to the relevant authorities on request.

LVD (electrical safety) conformity is supported by in-house test report LVD-DIM-420-R1-2026-001 issued by ISYSTEMS AUTOMATION S.R.L. internal compliance laboratory. Tests performed in accordance with EN 62368-1:2020 + A11:2020 using calibrated equipment (GW Instek GPT-9804 AC/DC withstanding-voltage and insulation-resistance tester, calibrated K-type thermometer, calibrated digital multimeter, calibrated digital caliper, variable AC transformer 0–300 V AC with calibrated voltage measurement). The reported tests cover all 2 isolation barriers PASS at Reinforced level (4243 V DC, 60 s; >9999 MΩ IR). Type-test sample is retained as reference unit and is excluded from series production. The LVD test programme under EN 62368-1 is concluded. Touch current (clause 5.7), temperature rise (clause 9), single-fault testing (Annex B.4) and PCB creepage and clearance verification (Tables 11/14) have been completed and are recorded in the test report identified above, which returned a PASS verdict for each. The report was issued at revision 1.0 on 08.05.2026.

EMC conformity is supported by test report Job #1648, issued 20 April 2026 by Idvorsky Laboratories Ltd. (Volgina 15, 11060 Belgrade, Serbia). Tests performed: conducted and radiated RF emissions (EN 55032:2015, Class B); RF field, conducted RF, EFT/burst and ESD immunity (EN 55035:2017, supported by EN IEC 61000-4-3:2020, EN IEC 61000-4-6:2023, EN 61000-4-4:2012, EN 61000-4-2:2009). Verdict: PASS.

This declaration applies to all units of the product described in Section 2 placed on the market with hardware version V1.0 and remains valid as long as the product is manufactured without significant modification.

7. Signed for and on behalf of the Manufacturer

Place of issue: Ploiești, Romania

Date of issue: 08.05.2026

Name: Daniela Drezyulya

Position: Director

Signature:



HomeMaster® is a registered European Union trademark (EUTM No. 019082911) of ISYSTEMS AUTOMATION S.R.L., registered with EUIPO on 15 January 2025. All other trademarks are the property of their respective owners.

End of Declaration