

EU DECLARATION OF CONFORMITY

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

Document No.: DoC-STR-3221-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 STR-3221-R1
Part number	STR-3221-R1
Hardware version	V1.0
Description	RP2350A-based DIN-rail multi-channel LED and I/O control module for stair lighting and 12–24 V DC systems. Provides 32 low-side MOSFET LED outputs (driven by external 12–24 V DC LED supply), 1 opto-isolated 24 V digital input, 2 presence sensor inputs, 4 buttons, 38 status LEDs, RS-485 Modbus RTU and USB-C configuration. SELV-only product.
Power input	24 V DC SELV nominal (V+ / 0V); external LED supply 12–24 V DC SELV (separate input)
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 2011/65/EU (RoHS)	Restriction of Hazardous Substances

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
General safety (voluntary application)	EN 62368-1 — applied as voluntary safety reference; SELV-only product is outside LVD Directive 2014/35/EU scope (≤ 60 V DC SELV).
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.

Electrical safety / LVD applicability: this is a SELV-only product powered from 24 V DC nominal (input voltage well below 75 V DC, the lower threshold of LVD Directive 2014/35/EU). The product has no mains-capable terminals (no AC input, no relay outputs). Therefore the LVD Directive does NOT formally apply to this product. Nevertheless, the product is designed and constructed in accordance with the relevant requirements of EN 62368-1:2020 + A11:2020 (general safety): SELV input protection, fire-enclosure (PC/ABS UL94-V0), pollution degree 2, IP20 cabinet-mount, ESD-protected interfaces, and proper component derating. No hazardous voltages or currents are accessible to the operator under normal or single-fault conditions.

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