

Smartive Mini Server

Installation, marking and production final test

SM-MS-IFU-LABEL-PFT-EN-001 | Issue 1.0 | 2026-06-05 | Final

Installation and safety instructions

- The product is a DIN-rail building-automation mini server installed in a closed electrical or control cabinet.
- Use only a CE-marked SELV/LPS or PS2-type 5 VDC power supply. Standard configuration: min. 15 W; Pi 5 full USB/peripheral budget: 25 W.
- Relay outputs are max. 40 V SELV/PELV dry contacts. Each output branch is used with external overcurrent protection rated max. 5 A.
- Digital inputs are 0-3.3 V logic inputs; 24 V industrial inputs shall not be connected.
- Disconnect the 5 V device supply and the external supply of relay circuits before installation or servicing.

Rating label and marking

Smartive Mini Server
Model: SM-MS Rev. 1.2.1
Input: 5 VDC, min. 15 W; Pi 5 full USB/peripheral: 25 W
Relay outputs: dry contact, max. 40 V, max. 5 A / CH
External OCPD max. 5 A required per relay output
Digital inputs max. 3.3 V | Operating temp. 10-50 C
Apptive Kft, 9932 Viszák, Fő út 56, Hungary
CE WEEE

Field	Content
Input	5 VDC, min. 15 W; Pi 5 full USB/peripheral: 25 W
Relay outputs	Dry contact, max. 40 V, max. 5 A/channel
External OCPD	Max. 5 A required per relay output
Digital inputs	Max. 3.3 V
Operating temperature	10-50 C
CE/RoHS/WEEE	CE marking, RoHS release documentation and WEEE marking for EU placing-on-market configuration

Production final test

Step	Method	Acceptance	Result
Visual inspection	Check enclosure, DIN clip, terminals, ventilation, SD/USB/LAN openings and label.	No damage, blocked ventilation, loose part or illegible marking.	Pass
Power draw	Power from 5 VDC release supply; record idle and active current.	Within production limit for Pi variant and no undervoltage symptom.	Pass
Boot and firmware	Boot release firmware; verify model, revision, serial and OTA status.	Correct Smartive release firmware and device identity.	Pass
Ethernet/Wi-Fi/BLE	Run release network test mode.	Interfaces visible and functional according to factory test script.	Pass
Digital inputs	Apply 0 V and 3.3 V logic levels to each input bank.	All input states reported correctly.	Pass
Relay outputs	Switch each relay with SELV continuity/load-safe fixture.	All six dry contacts switch correctly; no welded/stuck contact.	Pass
1-Wire/extender	Connect DS18B20-type sensor and Smartive-compatible test fixture.	Sensor detected and extender communication stable.	Pass
Label/package	Verify rating label, serial/lot label and accompanying documents.	All markings and documents match release configuration.	Pass