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1. Standard room variants

1.1. General description

This section describes standard GRMS room variants used as reference configurations for HIQ Hospitality projects.

Each variant defines a typical guest room automation setup, including the main controller, access control, room panel, HVAC control, lighting, blinds, sensors, communication modules and connection to the central S-RMS system through Linker.

The purpose of these pages is to provide a clear technical overview of available standard room configurations. Detailed wiring, I/O allocation, programming and project-specific adaptations are defined in the corresponding electrical schemes and technical documentation.

1.2. Room variant overview

Variant	Page	Main controller	Short description
V1	V1 - GRMS Room Base - MC-24-H1	MC-24-H1	Base full GRMS room with CR-D1-V2-PX-BK, TGP-4D-01-IQ + TGP-S, ES-W2, FC-1-IQ, lighting, blinds, sensors and energy-saving logic.
V1.1	V1.1 - GRMS Room Base I/O Plus - MC-24-H1 + LC-10-IQ-MK2	MC-24-H1	Base room with LC-10-IQ-MK2 module for additional lighting circuits and blinds.
V1.2	V1.2 - GRMS Room Base Modbus - MC-24-H1 + CAD-232-A3-IQ	MC-24-H1	Base room with RS485 / Modbus communication through CAD-232-A3-IQ.
V1.3	V1.3 - GRMS Room Full Option - MC-24-H1 + LC-10-IQ-MK2 + CAD-232-A3-IQ	MC-24-H1	Full option MC-24-H1 room with LC-10-IQ-MK2 expansion and RS485 communication through CAD-232-A3-IQ.
V2	V2 - GRMS Room Direct HVAC - MC-24-H1	MC-24-H1	Simplified MC-24-H1 variant where controller outputs are used directly for HVAC control.
V3	V3 - GRMS Room Compact Modbus - MC-230-01	MC-230-01	Compact room variant with integrated RS485 and direct IEX connection.
V3.1	V3.1 - GRMS Room Compact Wireless - MC-230-01 + EnOcean	MC-230-01	Compact MC-230-01 room variant with RS485 and SWO-2-1-00 EnOcean wireless opening sensor.

1.3. Typical connected functions

Standard GRMS room variants can include the following functional groups:

- room access control
- door lock and door status
- in-room touch panel with TGP-S adapter
- ES-W2 room temperature sensor
- HVAC / fan-coil control
- lighting control
- blinds control
- window contact monitoring
- presence detection
- SOS / alarm input
- master off / room exit scene
- floor heating
- ventilation
- managed power supply for energy-saving logic
- Ethernet / Linker connection to S-RMS

1.4. Notes

- These variants represent standard reference configurations.
- Final I/O allocation may be adjusted according to room type and project requirements.
- Electrical schemes and controller programs should be prepared based on the selected variant.
- Additional variants can be added if required by future project configurations.