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V2 - GRMS Room Direct HVAC - MC-24-H1

General description

V2 - GRMS Room Direct HVAC - MC-24-H1 is a simplified GRMS room variant based on the **MC-24-H1** controller.

In this configuration, part of the MC-24-H1 relay outputs is used directly for HVAC functions, such as hot valve, cold valve and fan speeds. This reduces the need for a separate fan-coil module in suitable applications.

Typical use

This variant is suitable for rooms where:

- a reduced number of lighting circuits is required
- HVAC can be controlled directly through controller outputs
- a separate FC-1-IQ fan-coil module is not required
- the room still requires standard access, panel, sensors and energy-saving functions
- Ethernet / Linker connection to S-RMS is required

Main components

Group	Component code	Description
Room controller	**MC-24-H1**	Main hotel room controller for room automation, direct HVAC outputs and Ethernet communication.
Power supply	**HDR-30-24**	24 VDC power supply for controller and bus devices.
Bus interface	**CAD-BC**	Bus coupler used to connect MC-24-H1 to IEX bus devices.
Corridor access panel	**CR-D1-V2-PX-BK**	Corridor-side access panel for room access, door status and lock control.
Door lock	**EL-B / EL-N**	Electric door strike, selected according to door type and installation requirements.
Room touch panel assembly	**TGP-4D-01-IQ + TGP-S**	In-room 4 inch touch HMI panel with TGP-S adapter/interface board for connecting the ES-W2 room temperature sensor.
Room temperature sensor	**ES-W2-WH / ES-W2-BK**	Room temperature sensor connected through TGP-S and used for HVAC regulation.
Room PIR sensor	**IR-R-IW-WH / IR-R-OW-WH**	Presence / motion sensor for occupancy and energy-saving logic.

Group	Component code	Description
Window contact	**MOS-03-HD-WH / MOS-04-VS-WH / MOS-04-VS-BK**	Wired magnetic opening sensor for window status and HVAC interlock.
HVAC outputs	**MC-24-H1 direct outputs**	Direct control of hot valve, cold valve and fan speeds.
Lighting	**Reduced lighting configuration**	Basic lighting, typically limited compared to V1.
Blinds	**B0**	One motorized blind group where required.
Network	**Ethernet / Linker**	Connection to S-RMS.

Connected room functions

Function	Connected elements
Access control	CR-D1-V2-PX-BK, EL-B / EL-N and door status.
Guest interface	TGP-4D-01-IQ room touch panel with TGP-S adapter and room commands.
Room temperature	ES-W2-WH / ES-W2-BK connected through TGP-S.
HVAC	Direct MC-24-H1 outputs for hot valve, cold valve and fan speeds.
Lighting	Basic lighting circuits, depending on final configuration.
Blinds	One blind group, if required.
Energy saving	PIR sensor, window contact, managed power supply and master off function.
Central system	Ethernet connection to Linker and S-RMS.

Variant difference

Compared to **V1 - GRMS Room Base - MC-24-H1**, this variant uses MC-24-H1 controller outputs directly for HVAC control and does not rely on a separate FC-1-IQ fan-coil module.

Notes

- V2 is intended for simplified rooms with direct HVAC control.
- TGP-S is part of the room touch panel assembly and is used as the interface board for connecting the ES-W2 room temperature sensor.
- It is suitable only when the HVAC equipment can be controlled through discrete signals.
- Final output assignment must be checked against the actual HVAC device.