

interact



PD-GRB

Guestroom control demo and training kit

This portable case demonstrates the features and functions of Interact guestrooms by simulating a typical guestroom layout. Standard dimming, RGB lighting, temperature monitoring, HVAC, fans, and motorized curtains are all simulated as part of the solution.

The case includes the room's user interfaces and occupancy sensors, along with switches to emulate integration with the doorbell, entry door status, balcony door status, guest/staff access control, and day/night system behaviors.

Connect the PD-GRB via Wi-Fi to the browser-accessible Multiroom Dashboard to showcase the impact of room service requests and status changes in real time.

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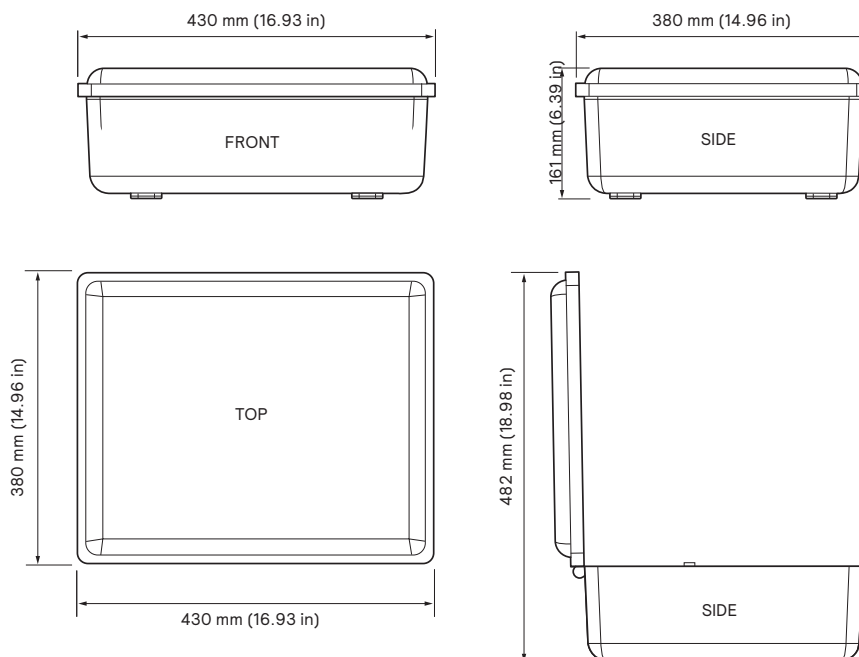
Room Feature Demonstrations:

- **Lighting control** – Select lighting scenes, adjust dimming, and control standard, tunable white, and RGB lighting channels.
- **Guest/Staff-specific responses** – The system detects if guests or staff enter the room, and adjusts behaviors to balance guest comfort, staff productivity, and energy savings.
- **Room status changes** – Make Up Room, Do Not Disturb, Laundry Pickup, and Room Service Tray Pickup.
- **Day rhythm** – Color temperatures automatically adjust to enhance guest well-being, day or night.
- **Occupancy monitoring** – Non-essential services and power outlets are automatically suspended when guests vacate the room.
- **Motorized blind/curtain control** – Window coverings can be automatically closed or opened to ensure comfortable conditions and reduce HVAC demand.
- **HVAC control** – Manage HVAC modes, fan speeds, and temperature setpoints.
- **HVAC energy saving** – Automatically shuts down HVAC if a balcony door is left open.
- **Master On/Off function** – Control all lights in the suite with a single button press.
- **Anti-stumble nightlight** – Sensors detect a guest leaving their bed at night, and gently illuminate a safe path to the bathroom/exit.
- **Selection of Antumbra finishes** – See and feel the range of fascia options available for Antumbra user interfaces

Multiroom Dashboard Demonstrations:

- **Selectable room modes** – Switch between Auto (normal), Green (energy-saving), and VIP mode.
- **Room status tracking** – Monitor room status duration to manage staff performance and requirements.
- **System health** – Streamline operations and maintenance with real-time monitoring of room devices and general system performance.
- **Room lighting/HVAC override** – Remotely adjust lighting scenes or HVAC settings for any room, directly from the Dashboard.
- **Monitor balcony doors, guest safety, & occupancy** – Guest well-being alerts enable staff to proactively check on rooms with unusual activity patterns.

Dimensions



Specifications

Due to continuous improvements and innovations, specifications may change without notice.


Electrical

Supply Voltage	15 VDC (100-240 VAC mains adapter included)
Supply Current	2 A
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	50 mA
IEC Overvoltage Category	III

Control

Serial Ports	1 x RS-485 1 x Ethernet (10/100 BaseT)
Supported Protocols	DyNet TCP/IP (TCP, UDP, IPv4/IPv6) IEEE 802.11n/b/g 2.4 GHz HTTP / HTTPS / FTP / CGI / Telnet
User Interfaces	2 x six-button AntumbraDisplay 1 x six-button AntumbraButton 1 x four-button AntumbraButton
Multifunction Sensors	2 x DUS360CR
Sensor User Input (per sensor)	1 x service switch 1 x sensor cover
Sensor Indicator (per sensor)	1 x red motion LED
Sensor Lux Range	5-5000 lux
Sensor Detection Range	≤ 5 m (16.4 ft) (Typical at ≤ 25 °C (77 °F), reduced at higher temperatures.)

Physical

Dimensions (Closed - H x W x D)	161 x 430 x 380 mm (6.34 x 16.93 x 14.96 in)
Packed Weight	8 kg (17.64 lb)
Construction	Hinged plastic enclosure
Color	Black
Floor Plan LED Channels	15 x Warm white 6 x Cool white 12 x RGB 1 x Red 3 x Green 5 x Blue
Serial Ports	1 x RJ12 (DyNet)
Supply Port	 1 x 2mm DC barrel jack

Environment

Operating Temperature	0° to 40°C ambient (32° to 104°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, UKCA, RoHS
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Floor Plan

The image below is an approximate representation and may differ slightly from the final product.



Ordering Codes

Product

PD-GRB

12NC

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Revision 01 2023-11-08

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