PD-KoD

DALI Demo Case

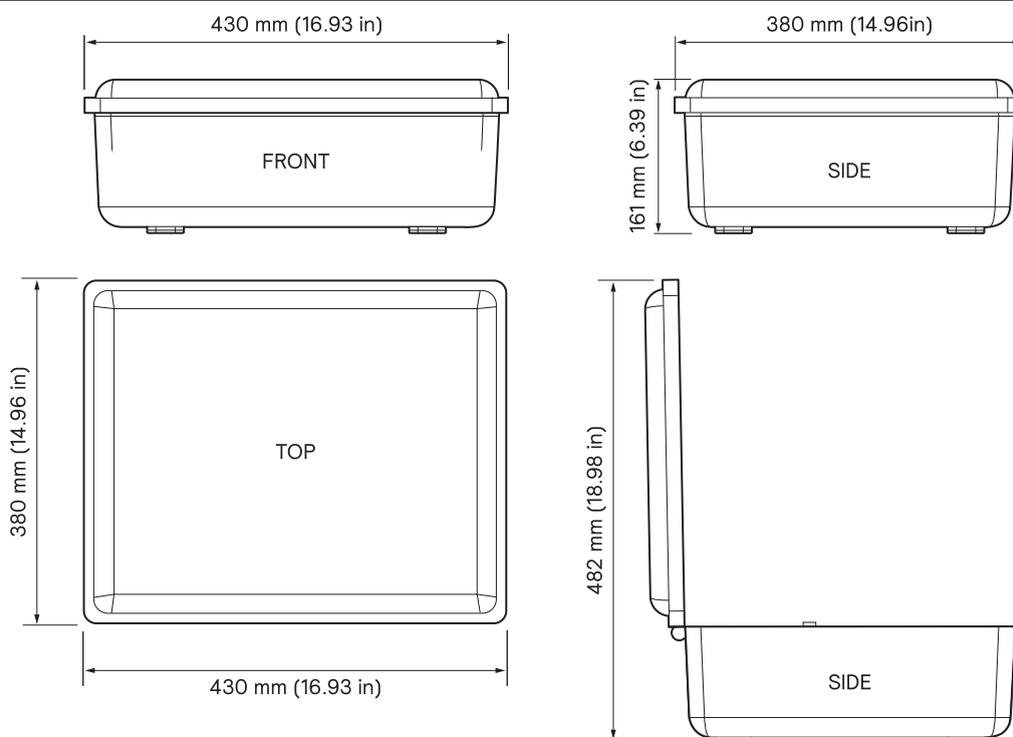# Specification Sheet

Discover the power of DyNet and DALI

This compact, portable device provides a simulated multi-universe DALI lighting control network for training and education purposes, incorporating both DALI and DyNet sensors and UIs.

Integrated DyNet and DALI terminals allow the connection of additional drivers, sensors, gateways, controllers, and UIs to simulate various control scenarios.

Key Features

- **DDBC320-DALI controller** – Delivers the combined power of three DALI universes and full DyNet functionality to simulate real-world lighting and control scenarios.

- **Realistic office floor plan** – 40 embedded LEDs across two universes provide a combination of DALI 207, DALI 209 Tuneable White, and DALI 209 RGBW control.

- **External DALI bus** – Connect and control a full DALI universe, including drivers, sensors, and UIs

- **Antumbra and Revolution UIs** – Simulate morning/afternoon/evening modes, control lighting scenes, and monitor temperature, humidity, and light levels in real time.

- **DyNet and DALI multifunction sensors** – Demonstrate the power of automated systems to respond dynamically to occupancy and lighting changes.

- **Lamp override and UL 924 toggles** – Demonstrate the system response to lamp failures and emergency events.

- **24-hour simulation** – Use Antumbra Display to trigger morning/afternoon/evening modes.

Dimensions

430 mm (16.93 in) — FRONT

380 mm (14.96in) — 161 mm (6.39 in) — SIDE

380 mm (14.96 in) — TOP — 430 mm (16.93 in)

482 mm (18.98 in) — SIDE

Specifications

Electrical

Supply Voltage	100-240 VAC
Supply Current	1 A
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	50 mA
IEC Overvoltage Category	III

Included Devices

Controllers	DDBC320-DALI
User Interfaces	1 x six-button Antumbra Display 1 x six-button Antumbra Button 2 x eight-button Revolution
Sensors	2 x DUS360CR 2 x DUS360CR-D

Motion Detection (PIR)

Sensor	Quad element pyroelectric
Max Detection Range	5 m (16.4 ft) Typical range at ≤25°C (77°F) Range reduced at higher temperatures

Light Detection (PE)

Lux Range	5-5,000 lux

DALI Device Control

DDBC320-DALI User Controls	1 x service switch 3 x DALI universe override switch
DDBC320-DALI Indicators	1 x diagnostic LED 3 x DALI bus status LED 1 x Ethernet activity LED

Sensor Control (per sensor)

Sensor User Controls	1 x service switch 1 x sensor cover
Sensor Indicators	1 x motion LED (red)

Control

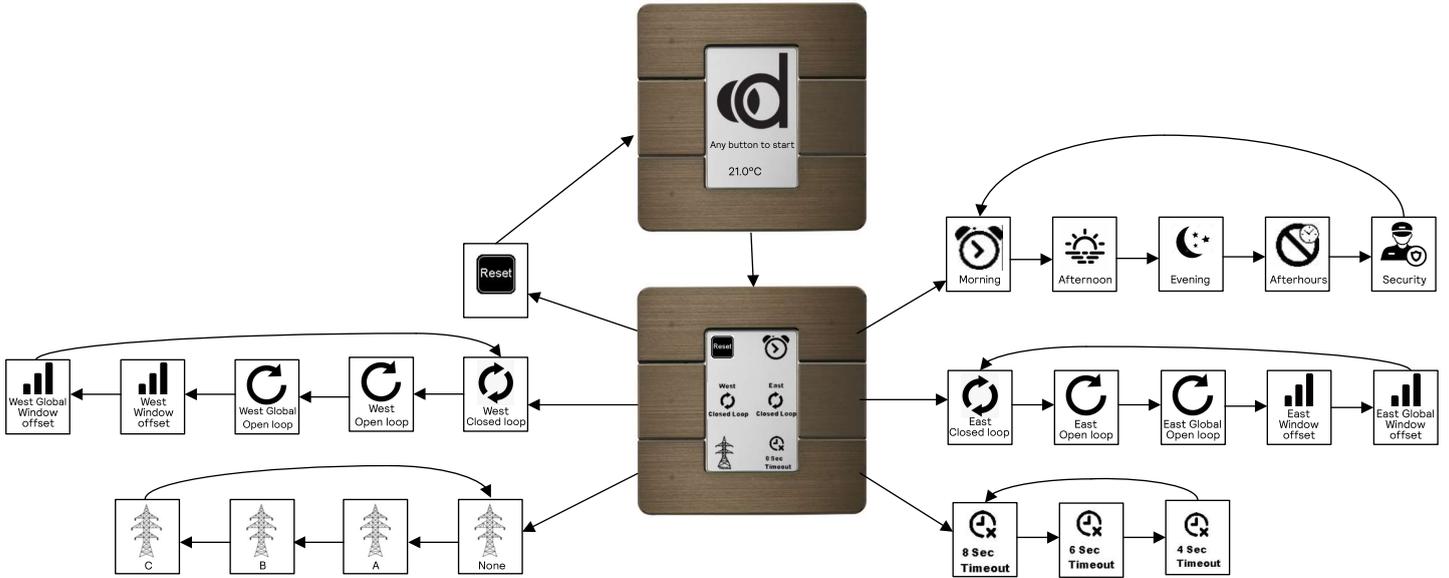|	
Communication Ports	1 x RS-485 1 x Ethernet (10/100 BaseT)
Supported Protocols	DyNet
Control Channel Outputs	1 x DALI-2 (DALI/DALI-2 registered drivers) (supports DALI 207/209 RGBW/Tuneable White)
User Controls	8 x driver/lamp override switch 1 x UL 924 toggle switch

Physical

Dimensions	**Closed:** 161 x 430 x 380 mm (6.34 x 16.93 x 14.96 in)
Packed Weight	7.8 kg (17.2 lb)
Construction	Hinged plastic enclosure
Colour	Black
Floor Plan LEDs	16 x Warm white (DALI 207) 16 x Tuneable white (DALI 209) 8 x RGBW (DALI 209)
Serial Ports	1 x RJ12 (DyNet) 1 x RJ12 (maintenance only) 1 x RJ45 (Ethernet)
External DALI Ports	1 x 2-way push-in wire connector
Supply Terminals	1 x IEC60320-C14 inlet (mains cable not included)

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	≤90% non-condensing
IEC Pollution Degree	II

Compliance

Certifications	CE, RCM, UKCA, RoHS

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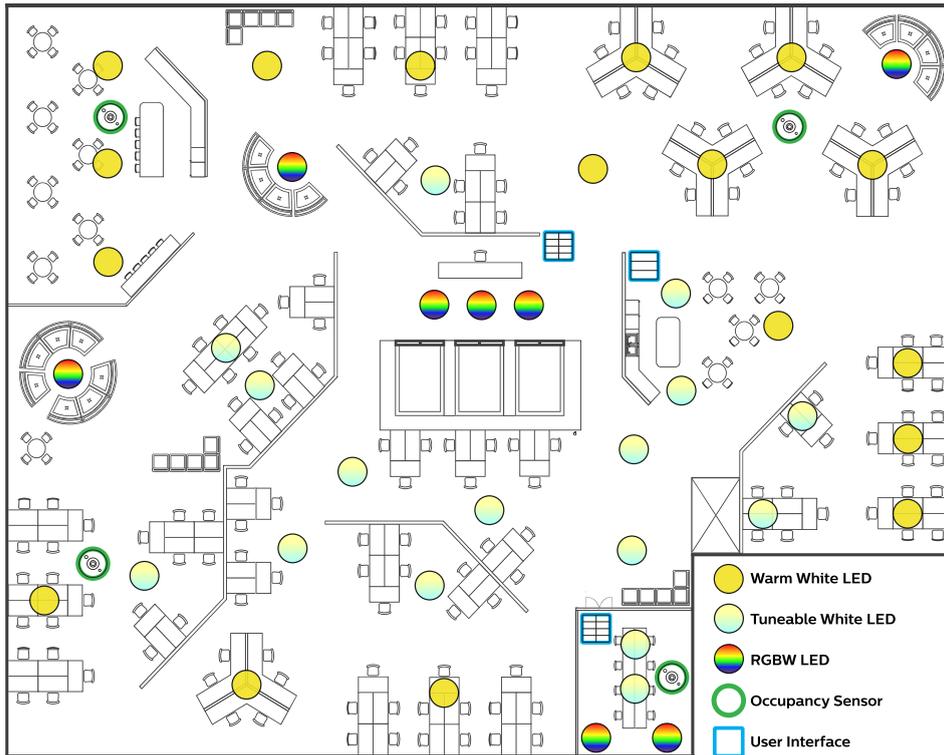
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Antumbra Display Menu

Floor Plan

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

Legend:
- Warm White LED
- Tuneable White LED
- RGBW LED
- Occupancy Sensor
- User Interface

Ordering Codes

Product	12NC
PD-KoD	913703335009