

PD-KoD-TC

DALI Mini Training Case



Specification Sheet

System Kits > Demonstration



Discover the power of DyNet and DALI

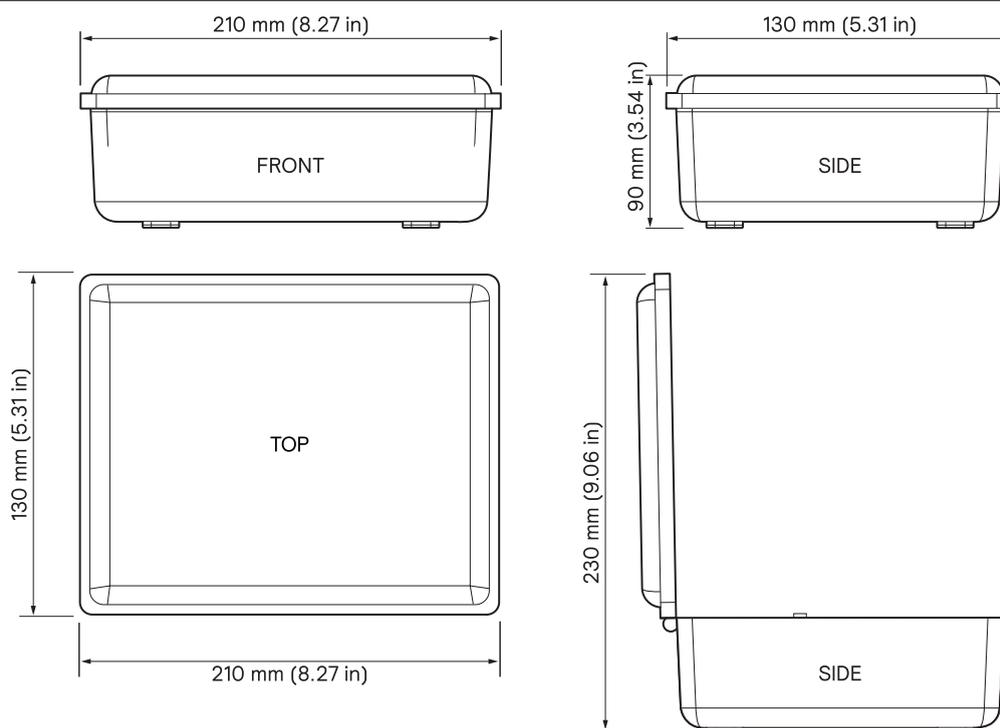
This compact, portable device provides a simulated single-universe DALI lighting control network for training and education purposes, incorporating an AntumbraDisplay UI, DALI sensor, and dry contact user inputs.

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

Key Features

- **DDBC120-DALI controller** - Delivers the combined power of DALI and DyNet functionality to simulate real-world lighting and control scenarios.
- **Realistic floor plan** - 37 embedded LEDs provide a simulation of DALI dimming control.
- **External DALI terminal** - Extend the inbuilt DALI universe with additional drivers, sensors, and UIs
- **Antumbra Display UI** - Simulate lighting scene selection and monitor temperature and light levels in real time.
- **DALI multifunction sensor** - Demonstrate the power of automated systems to respond dynamically to occupancy and lighting changes.
- **DPMI940-D dry contact interface** - Two configurable momentary switches provide direct control via the DALI bus.

Dimensions



Specifications

Electrical	
Supply Voltage	15 VDC (PSU included)
Supply Current	2.5 A
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	50 mA
IEC Overvoltage Category	III

Included Devices	
Controllers	DDBC120-DALI
User Interfaces	1 x six-button Antumbra Display EU
Sensors	1 x DUS360CR-D
Dry Contact Interfaces	1 x DPMI940-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	
DDBC120-DALI User Controls	1 x service switch
DDBC120-DALI Indicators	1 x power LED 1 x service LED

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

Dry Contact Interface Control	
DPMI940-D User Controls	2 x dry contact momentary switch 1 x service switch

Control	
Communication Ports	1 x RS-485
Supported Protocols	DyNet
Control Channel Outputs	1 x DALI-2 (DALI/DALI-2 registered drivers) (supports DALI 207/209 RGBW/Tuneable White)

Physical	
Dimensions	Closed: 90 x 210 x 130 mm (3.54 x 8.27 x 5.31 in)
Packed Weight	1.5 kg (3.3 lb)
Construction	Hinged plastic enclosure
Colour	Black
Floor Plan LEDs	37 x dimmable white (DALI 207)
Serial Ports	1 x RJ12 (DyNet)
External DALI Ports	1 x 2-way push-in wire connector
Supply Terminals	1 x 2 mm DC power connector

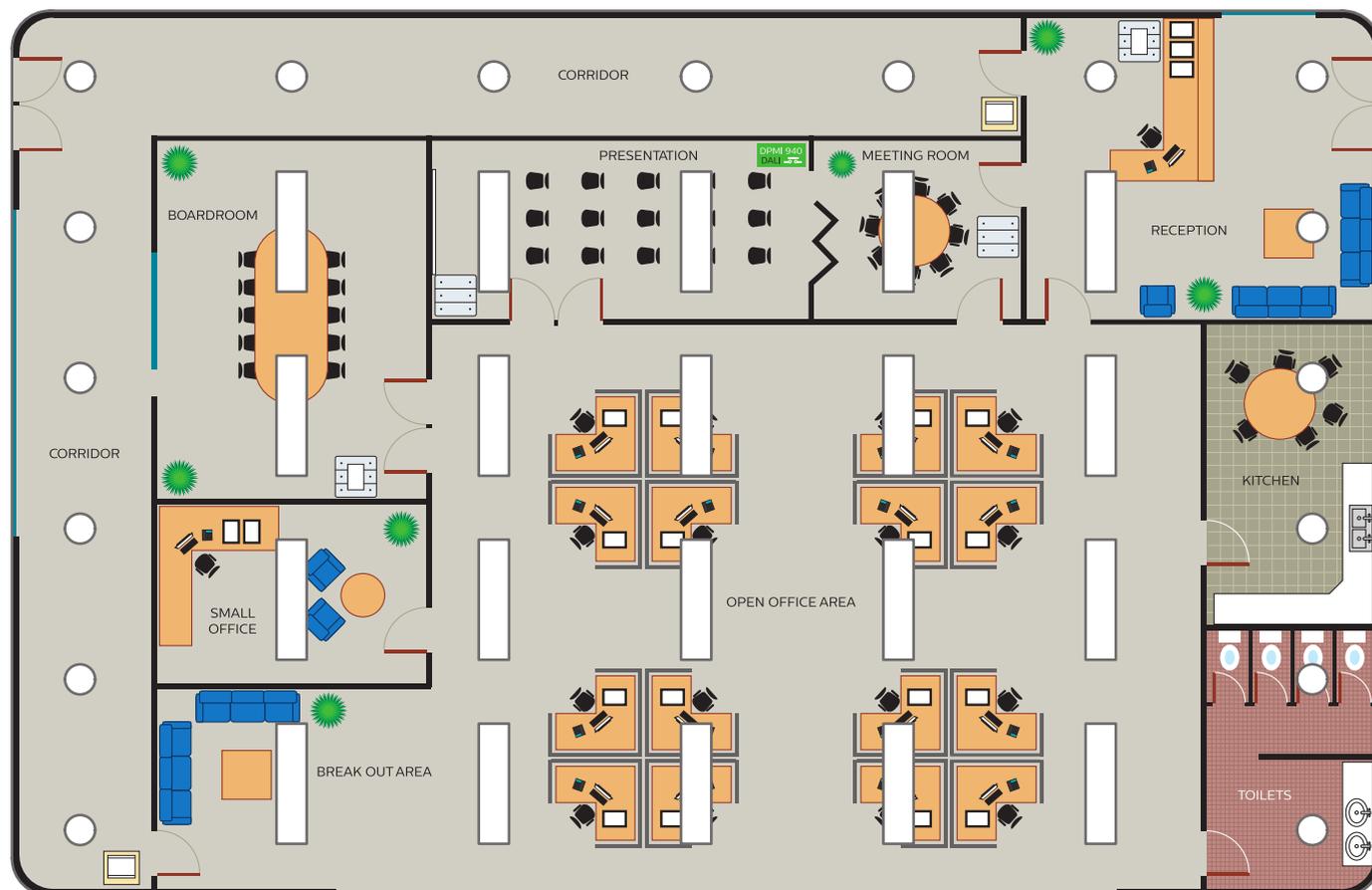
Environment	
Operating Temperature	0° to 40°C ambient (32° to 104°F)
Storage/Transport Temperature	-25° to 60°C ambient (-13° to 140°F)
Relative Humidity	≤90% non-condensing
IEC Pollution Degree	II

Compliance	
Certifications	CE, RCM, RoHS



Floor Plan

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



Ordering Codes

Product		12NC
PD-KoD-TC		913703351509
Accessory		12NC
PD-PCN	USB-C PC Node	913703380709
PD-232N	RS-232 PC Node	913703098409