



PADPA

AntumbraDisplay American

Contemporary button panel with LCD display

The Philips AntumbraDisplay user interface provides a central LCD display to present multiple pages of functions and system information. It incorporates the latest in field effect technology. The contemporary design features a number of button configurations, with each button capable of local or site-wide control functions. The PADPA range is suitable for, but not limited to, North American, South American, Australian and New Zealand markets.

Supplied by:

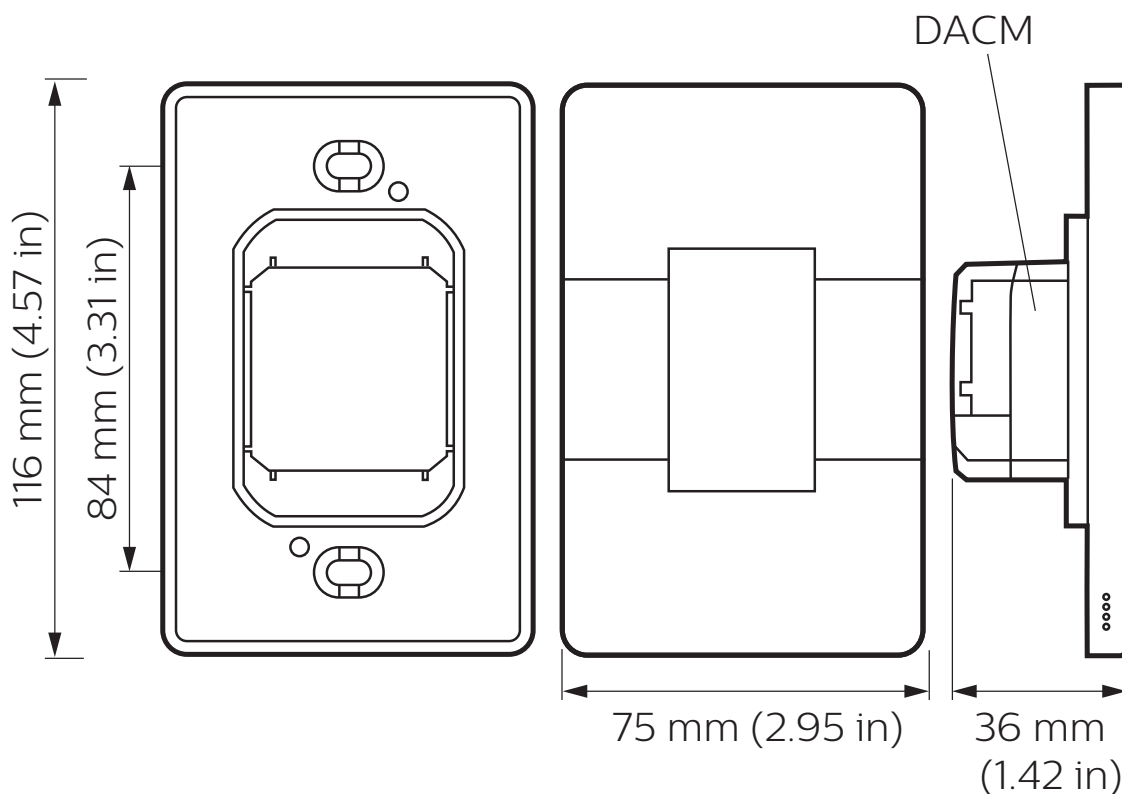


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- **Field effect technology*** – The user interface detects an approaching user and ‘wakes up’, initiating a wall-wash lighting effect to encourage interaction.
- **Supplied as two components** – The Application Module contains buttons, rim, base and mounting plate, which can be mixed and matched to suit décor. The Communication Module contains all of the logical and network functions and is pre-programmed off-site, allowing commissioning to commence prior to finish options being finalized.
- **Hidden sensory inputs** – An internal light sensor measures ambient light and adjusts the lightwash effect accordingly. A built-in temperature sensor automatically adjusts air conditioning when integrated into the system.
- **Multiple language and icon labeling** – Button labeling language choices include English, Chinese and Arabic. A library of common icons transcends language barriers, which is particularly useful in hospitality applications.
- **Central LCD** – Allows for display of system information including temperature, time, channel level and current scene. Button function can change when navigating between up to 16 pages.
- **Décor-matching options** – Rims are available in aluminum, chrome, magnesium and white. Corona polycarbonate button finishes include magnesium, silver and white. Flare metallic button finishes include aluminum, black, gold, jet grey and vintage.

Dimensions



* The mounting plate must be grounded to avoid field effect false triggering by nearby ungrounded metal objects.

Specifications

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



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Electrical

Supply Type	DyNet
Supply Voltage	12-24 VDC SELV/Class 2
Supply Current	60 mA @ 12 VDC 35 mA @ 24 VDC

Application Module

User Inputs	6 x software-configurable buttons
Indicators	White indicator LED on each button White wall-wash backlight LCD display
Temperature Sensor Range	5° to 40°C (41° to 104°F)
Temperature Sensor Accuracy	± 1.5°C (± 2.7°F)
Field Effect Detection Range	approx. 15 cm (6 in)

Communication Module

Serial Ports	1 x RS-485
Supported Protocols	DyNet
User Inputs	1 x service switch
Indicators	1 x service LED

Physical

Dimensions (H x W x D)	116 x 75 x 36 mm (4.57 x 2.95 x 1.42 in) (fully assembled)
Packed Weight (application module)	0.2 kg (0.44 lb)
Packed Weight (communication module)	0.12 kg (0.25 lb)
Button/Rim Finish	See Page 4
Serial Ports	1 x 5-way pluggable screw terminal +V, D-, D+, GND, SHLD
Serial Port Conductor Size	2.5 mm ² (#12 AWG) (max)

Environment

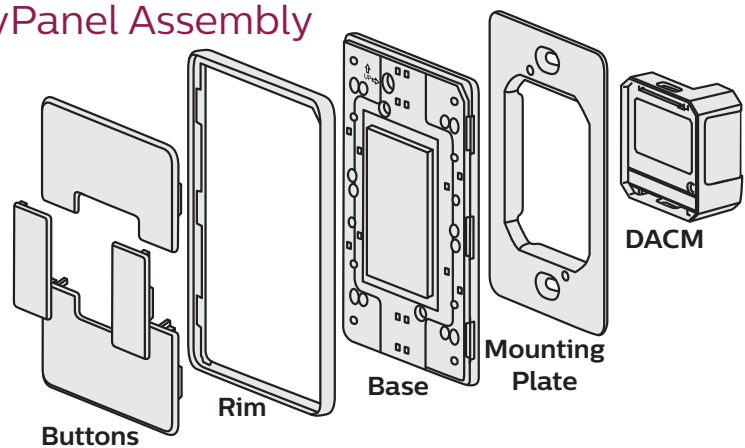
Operating Temperature	-5° to 50°C ambient (23° to 122°F)
Storage/Transport Temperature	-25° to 60°C ambient (-13° to 140°F)
Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, FCC, ICES, EN50491-3, RoHS
IP Rating	IP22



AntumbraDisplayPanel Assembly



Application Module Ordering Code

The Application Module contains the buttons, rim, base and mounting plate. The buttons and rim are available in the range of finishes shown below.

The base contains all the sensors and LED indicators. Sensitive components are enclosed by a rubber envelope to give an IP22 rating, allowing installation in high-condensation environments such as bathrooms.

A metal mounting plate attaches the Antumbra panel securely to the wall, ensuring stable, reliable operation.



PADPA-SM-X

Button Finish

Corona (Polycarbonate)

M = Magnesium

S = Silver

W = White

Flare (Metallic)

A = Aluminum

B = Black

G = Gold

J = Jet grey

V = Vintage

Rim Finish

A = Aluminum

C = Chrome

M = Magnesium

W = White

Button Labeling

L = Labeling

X = No labeling

Communication Module Ordering Code

The Communication Module is compatible with all interfaces across the Antumbra series, and can be ordered, programmed, installed, wired and tested without the Application Module attached.

This allows the commissioning process to begin before the final finish options have been chosen, or during construction, and protects the Application Module from damage until the site is ready for occupancy.



Product

DACM-DyNet (DyNet communication module)

Philips 12NC

913703970707

Accessories

DINGUS-DUS-RJ12-DUAL (Dual RJ12 serial adaptor)

913703064309

DINGUS-DUS-RJ45-DUAL (Dual RJ45 serial adaptor)

913703064409

