

# Specification Sheet

User Interfaces > Antumbra



## Contemporary two-, four-, and six-button panels with lightwash effect.

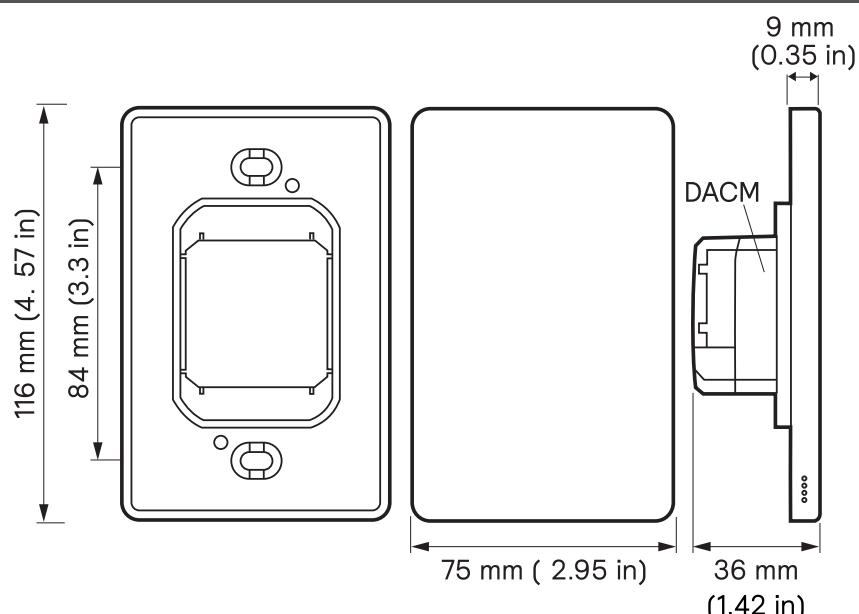
The Antumbra Button user interface features a sleek, contemporary design and incorporates the latest in field effect technology. Each easy-to-press mechanical button can be customised with text or icons and programmed to perform a wide variety of local and site-wide control functions.

The PA2BPA, PA4BPA, and PA6BPA ranges are suitable for, but not limited to, North American, South American, Australian, and New Zealand markets.

## Key Features

- **Field effect proximity detection** – The user interface detects an approaching user and 'wakes up', initiating a wall-wash lighting effect to encourage interaction.  
(NOTE: mounting plate must be grounded to avoid false triggering from nearby ungrounded metal objects).
- **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 finalised.
- **Hidden sensory inputs** – Built-in temperature and humidity sensors automatically adjust air conditioning when integrated into the system.
- **Multiple language and icon labelling** – Button labelling language choices include English, Chinese, and Arabic. A library of common icons transcends language barriers, which is particularly useful in hospitality applications.
- **Décor-matching options** – Buttons and rims are available in a range of attractive polycarbonate and metallic finishes.
- **64-channel DMX Tx support** – Can be factory-set to DMX instead of DyNet, to communicate directly with DMX512 fixtures.

## Dimensions



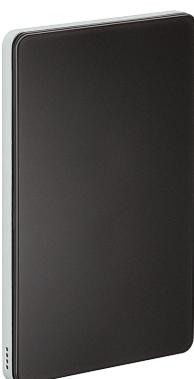
## Antumbra Button US/ANZ Models



PA6BPA – Six buttons



PA4BPA – Four buttons



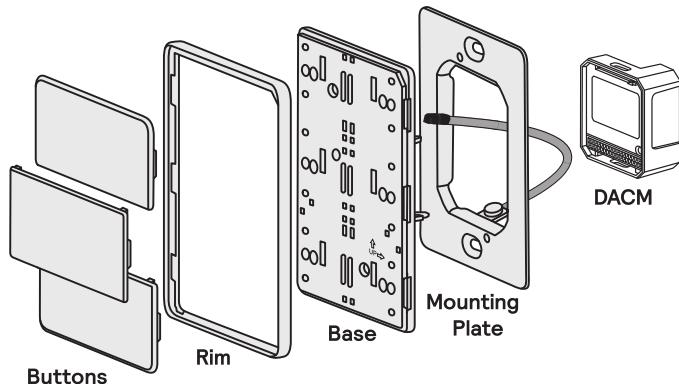
PA2BPA – Two buttons

## Specifications

Electrical		Physical	
Supply Type	DyNet	Dimensions	116 x 75 x 36 mm (4.57 x 2.95 x 1.42 in) (Fully assembled)
Supply Voltage	12-24 VDC (SELV/Class 2)	Packed Weight	<b>Application module:</b> 0.19 kg (0.42 lb) <b>Communication module:</b> 0.12 kg (0.25 lb)
Supply Current	35 mA @ 12 VDC 20 mA @ 24 VDC	Serial Ports	1 x 5-way pluggable screw terminal
IEC Overvoltage Category	II	Serial Port Conductor Size	0.3-2.5 mm <sup>2</sup> (#22-12 AWG)
Application Module		Environment	
User Controls	2/4/6 x software-configurable buttons	Operating Temperature	-5° to 50°C ambient (23° to 122°F)
Indicators	White indicator LED on each button White wall-wash backlight	Storage/Transport Temperature	-25° to 60°C ambient (-13° to 140°F)
Temperature Sensor Range	5° to 40°C (41° to 104°F)	Relative Humidity	≤90% non-condensing
Temperature Sensor Accuracy	± 0.5°C (± 0.9°F)	IEC Pollution Degree	II
Field Effect Detection Range	approx. 15 cm (6 in)	Installation Note	Indoor installation only
Communication Module		Compliance	
Serial Ports	1 x RS-485	Certifications	CE, RCM, UL/cUL, FCC, ISED, UKCA
Supported Protocols	DyNet DMX Tx	Sustainability	RoHS
DMX Tx Channels	64	IP Rating	IP22
User Controls	1 x service switch		
Indicators	1 x service LED		

## Available Finishes



**Antumbra Button US/ANZ Assembly****Ordering Codes****Application Module Ordering Codes**

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.

PA6BPA-MA-X				
2 = Two-button	Lacquer (Polycarbonate)	Luxe (Metallic)	A = Aluminium	L = Labelling
4 = Four-button	M = Magnesium	A = Aluminium	C = Chrome	X = No Labelling
6 = Six-button	S = Silver	G = Gold	M = Magnesium	
	W = White	J = Jet	W = White	
		N = Noir		
		P = Prestige		
		V = Vintage		

**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	12NC
DACM-DyNet	DyNet communication module 913703072809

Accessory	12NC
DINGUS-DUS-DUAL-RJ12	Dual RJ12 connector - pack of 10 913703064309
DINGUS-UI-DUAL-RJ45	Dual RJ45 connector - pack of 10 913703334609