



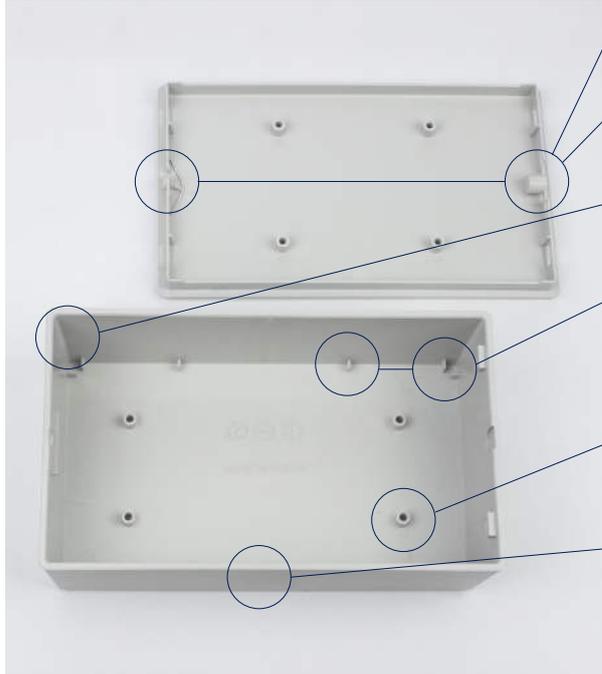
# Easy Assembly Electronics enclosure

## Product overview

This UK manufactured universal enclosure has been designed to provide flexibility and increased functionality. A unique, dual action lid and clip-in-points for your PCB, reduces assembly time whilst providing the end user with a premium quality, modern product. Moulded from ABS UL94-V0 material, in a variety of sizes and colours, with optional DIN Rail / wall mount brackets available. If you need an enclosure that can handle generic electronic applications whilst looking good, then look no further!



## Key features



### Dual action lid

The dual action lid is held in place with a push-button clip or with a single screw.

### Spring feature in lid

Holds the PCB securely in place without the need for screws, greatly improving the assembly time.

### No corner pillars

Maximised PCB footprint, providing edge-to-edge capability.

### PCB edge corner supports in the base

Sizes 3 & 4 have four additional half board supports which can be removed to make way for solder points on the bottom of the PCB.

### Multiple PCB mounting points in base and lid

Central position mounting bosses support edge-to-edge capability.

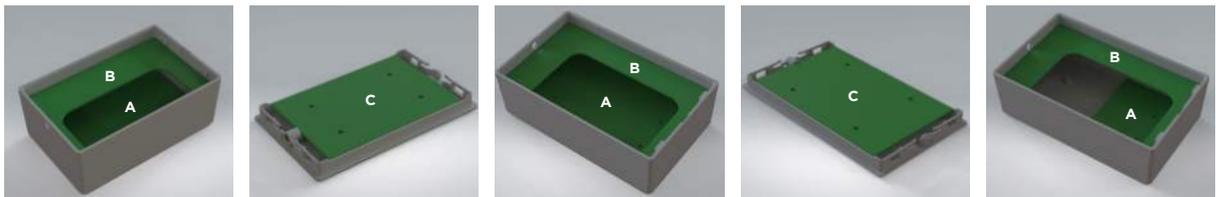
### Smooth finish

All sides of the enclosure have been designed to have a smooth finish for ease of customisation and modification.

### Raspberry Pi compatible

Sizes 3 & 4 fit Raspberry Pi 3 and 4 and Size 1 fits the Raspberry Pi Zero.

## PCB positions



## DIMENSIONS FOR EACH ENCLOSURE SIZE

ENCLOSURE SIZE	PCB MOUNTING POSITION		MAX PCB DIMENSIONS	BOARD THICKNESS	
SIZE 1	BASE	A	Lower Screw Mounted	82mm x 52mm (end connector) / 80.5mm (side connectors)	Any
		B	Upper Captivated	84mm x 53mm	0.8 to 1.8mm
	LID	C	Four Screw Mounts	68mm x 54mm	Any
SIZE 2	BASE	A	Lower Screw Mounted	101.5mm x 61.5mm (end connector) / 100.5mm (side connector)	Any
		B	Upper Captivated	104mm x 63mm	0.8 to 1.8 mm
	LID	C	Four Screw Mounts	89mm x 61.5mm	Any
SIZE 3	BASE	A	Lower Screw Mounted Full board	121.5mm x 71.5mm (end connector) / 121mm (side connector)	Any
		A	Lower Screw Mounted Half Board	71.5mm x 45.3mm (central pillars) / 60.25mm (off centre pillars)	Any
		B	Upper Captivated	124mm x 73mm	0.8 to 1.8mm
SIZE 4	BASE	A	Lower Screw Mounted Full Board	141mm x 81mm (end connector & side connector)	Any
		A	Lower Screw Mounted Half Board	81mm x 44.8mm (centre pillars) / 70mm (off centre pillars)	Any
		B	Upper Captivated	144mm x 83mm	0.8 to 1.8mm
LID	C	Four Screw Mounts	129mm x 81mm	Any	





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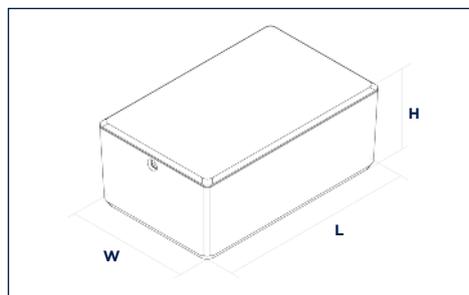


## INDIVIDUAL SIZE SPECIFICATION

ENCLOSURE SIZE	GREY (GY)	BLACK (BK)	WHITE (WH)	EXTERNAL DIMENSIONS (LXWXH)	INTERNAL DIMENSIONS (LXLWH)	WALL THICKNESS
Size 1	CBEAC-01-GY	CBEAC-01-BK	CBEAC-01-WH	90mm x 60mm x 40mm	82mm x 52mm x 36mm	2.5mm
Size 2	CBEAC-02-GY	CBEAC-02-BK	CBEAC-02-WH	110mm x 70mm x 45mm	101.5mm x 61.5mm x 41mm	2.5mm
Size 3	CBEAC-03-GY	CBEAC-03-BK	CBEAC-03-WH	130mm x 80mm x 45mm	121.5mm x 71.5mm x 41mm	2.5mm
Size 4	CBEAC-04-GY	CBEAC-04-BK	CBEAC-04-WH	150mm x 90mm x 50mm	144mm x 83mm x 46mm	2.5mm

## RANGE SPECIFICATION

<b>STANDARD UNIT INCLUDES</b>	Base, lid and one M3 screw (Pozi Pan BZP)			
<b>MATERIALS</b>	Base	UL94-V0 ABS		
	Lid	UL94-V0 ABS/ brass M3 insert		
	Screw	Bright Zinc Plated Steel		
<b>COLOURS</b>	Grey	RAL7047		
	Black	RAL9005		
	White	RAL9003		
<b>COMPLIANCE</b>	RoHS compliant			
<b>IP RATING</b>	IP40			
<b>OPERATING TEMPERATURE</b>	-10°C to 80°C			
<b>TEST RESULTS</b>	Standard	Test	Result	Test report
	EN62262	Impact test	IK06	TR106
	UL94	Flammability	V0	E115797
<b>SCREW TORQUE</b>	M3 screw (Pozi Pan)	0.5Nm		
<b>PURCHASING INFORMATION</b>	Country of origin	Great Britain (GB)		
	Commodity code	39231010		
	Weight	Size 1	619g	
		Size 2	849g	
		Size 3	1079g	
Size 4		1289g		
Enclosure type	Universal			
<b>OPTIONS</b>	For different colours and materials MOQs will apply			



## Potential industries / applications

Data logging, fire sensors, solar controllers, DIN Rail electronics, environmental monitoring, desktop instruments, production equipment, solar controllers, IoT equipment, speakers and audible indication and much more...

## Customisation options

Digital printing, screen printing, machining / drilling and engraving.

## Accessories



**DIN Rail Mount Bracket**  
(CDR-Bracket)



**Universal Wall Mount Bracket**  
(CBWM-10xx)

