

# FIBOX

## CARDMASTER

FIBOX CARDMASTER

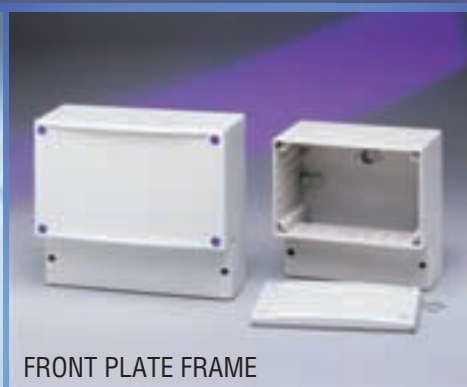
PC  
ABS



CARDMASTER



CARDMASTER II



FRONT PLATE FRAME

A new generation of FIBOX CARDMASTER enclosures, featuring improved design and colours, is available in polycarbonate and ABS. Designed for use with modular components, the FIBOX CARDMASTER II range is ideal for packaging instrumentation, measurement, monitoring and process control equipment.

The enclosure has built in PCB card guides and a separate terminal wiring compartment.

Hinged transparent covers have quick release latches.

All sizes available in either impact resistant polycarbonate or ABS.

New accessory front plate frame also available.

# FIBOX CARDMASTER II

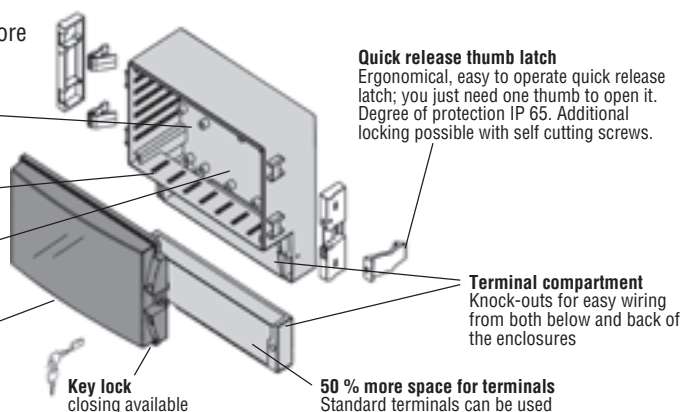
Features you've never seen before

**Ecology also in design**  
more mounting pods and no brass inserts for better recycling

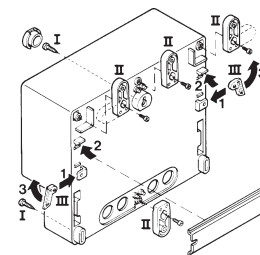
**50 % bigger opening**  
between two compartments

**More usable mounting space**  
in all corners for better utilisation of PCB's

**Instrumentation compartment**  
Smoked grey transparent cover with textured sides



Three wall mounting alternatives



For 17/16 and 21/18 II

CARDMASTER II PC AND ABS ENCLOSURE PC: IP 65, IK08/IK07 ABS: IP 65, IK07	Z mm	C mm	Including: Enclosure base, transparent cover, termination compartment cover, polyamide hinges, locking devices, and 8 mounting screws		Including: Enclosure base, termination compartment cover, and 6 mounting screws. (A transparent cover and hinges are not included.)		B X A L X S mm
			ORDER SYMBOL		ORDER SYMBOL		
			Transparent cover, hinged base		No main cover, smooth side base		
17/16-CL II 17/16-OL II  Y X X 166 mm 160 mm	92	73			PC 17/16-CL II		See WWW.Fibox.com for dimensional drawings.
	92	73			ABS 17/16-CL II		
17/16-C II 17/16-O II  Y X X 166 mm 160 mm	123	101	PC 17/16-OL II				
	123	101	ABS 17/16-OL II				
17/16-C II 17/16-O II  Y X X 166 mm 160 mm	105	86			PC 17/16-C II		
	105	86			ABS 17/16-C II		
21/18-C II 21/18-O II  Y X X 213 mm 185 mm	134	113	PC 17/16-O II				
	134	113	ABS 17/16-O II				
21/18-C II 21/18-O II  Y X X 213 mm 185 mm	87	71			PC 21/18-C II		
	87	71			ABS 21/18-C II		
28/28-0 II 28/28-D II  Y X X 280 mm 280 mm	117	97	PC 21/18-O II				
	117	97	ABS 21/18-O II				
28/28-0 II 28/28-D II  Y X X 280 mm 280 mm	154	150	PC 28/28-0 II				
	154	150	ABS 28/28-0 II				
	154	180			PC 28/28-D II		
	154	180			ABS 28/28-D II		
			Remarks: Size 28/28-0 II including: Enclosure base, (PC with knock-outs), <b>open</b> smoked transparent cover (SOLID FRAME), cover screws, 4 mounting screws, and 4 mounting screws for mounting plate.		Remarks: Size 28/28-0 II including: Enclosure base, (PC with knock-outs), <b>closed</b> smoked transparent cover (SOLID FRAME), cover screws, 4 mounting screws, and 4 mounting screws for mounting plate.		

External height Y

External width X

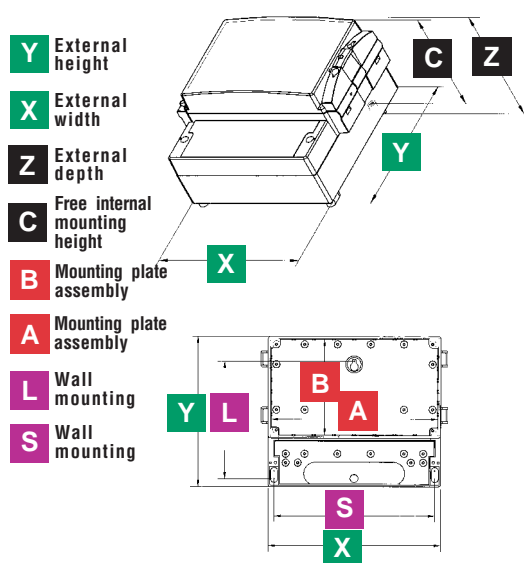
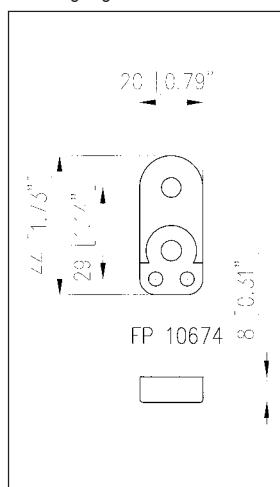
External depth Z

Free internal mounting height C

Mounting plate assembly B X A

Wall mounting L X S

## SYMBOLS AND ABBREVIATIONS




FP 10674  
fastening lug measures

## CARDMASTER

PC	30/25-0	With or without cover Width /length
ABS	30/25-0	
		Enclosure material
		PC Polycarbonate
		ABS ABS-plastic



## CARDMASTER II

PC	17/16-0L II	0L=With cover, low base
PC	17/16-CL II	CL=Without cover, low base
PC	17/16-0 II	0=With cover
PC	17/16-C II	C=Without cover, without hinge lugs
PC	28/28-0 II	0=With cover, open
PC	28/28-D II	C=Without cover, closed
ABS...		



CARDMASTER PC AND ABS ENCLOSURE PC: IP 65, IK08/IK07 ABS: IP 65, IK07	Z mm	C mm	Including: Enclosure base, transparent cover, termination compartment cover, polyamide hinges, locking devices, and 6 mounting screws		Including: Enclosure base, termination compartment cover, front plate, and 6 mounting screws		B X A L X S mm
			ORDER SYMBOL		ORDER SYMBOL		
21/18-0 21/18-B   Y X X 213 mm 185 mm  Remarks: USA: Incl. FP 21/18 and PC with 3 x 0.85" knock-outs.	113	91	PC 21/18-0				See WWW.Fibox.com for dimensional drawings.
	113	91	ABS 21/18-0				
	113	91	PC 21/18-1 USA				
	87	63			PC 21/18-B		
30/25-0 30/25-B   Y X X 296 mm 256 mm  Remarks: USA: Incl. FP 30/25 and PC with 5 x 0.85" knock-outs.	118	95	PC 30/25-0				See WWW.Fibox.com for dimensional drawings.
	118	95	ABS 30/25-0				
	118	95	PC 30/25-1 USA				
	92	68			PC 30/25-B		
36/31-0 36/31-B   Y X X 363 mm 316 mm  Remarks: USA: Incl. FP 36/31 and PC with 2 x 0.85" and 2 x 1.09" knock-outs.	156	133	PC 36/31-0				See WWW.Fibox.com for dimensional drawings.
	156	133	ABS 36/31-0				
	156	133	PC 36/31-1 USA				
	130	105			PC 36/31-B		
	130	105			ABS 36/31-B		

# FIBOX CARDMASTER

## TECHNICAL INFORMATION FOR CARDMASTER II

PROPERTY	POLYCARBONATE (PC)	ABS	CONFORMITY TO STANDARDS (UL, CSA, CE, Lloyds, BV, FI)
Ingress Protection (EN 60529)	IP65	IP65	<b>USA</b> Enclosures for Electrical Equipment PC: UL Type 1 and 12K (UL 50/508) PC/ABS: NEMA 1, 4, 4X, 6, 12 and 13
Impact Resistance (EN 50102)	IK 08/IK 07	IK 07	<b>Canada</b> Industrial Control Equipment Enclosures for Electrical Equipment/ULc
Temperature Range Celsius (short term)	-40°...120°C	-40°...80°C	<b>Europe</b> Enclosures for Switch Gear and Control Gear Assemblies EN 50298:1998
Temperature Range Fahrenheit (short term)	-40°...250°F	-40°...175°F	
Temperature Range Celsius (continuous)	-40°...80°C	-40°...60°C	<b>Europe</b> Safety of Information Technology Equipment EN 60950
Temperature Range Fahrenheit (continuous)	-40°...175°F	-40°...140°F	
Electrical Insulation	Totally insulated 	Totally insulated 	<b>Australia</b> Enclosures for switch gear and control gear AS 3132-1991
Light Grey Parts Colour	RAL 7035	RAL 7035	
Transparent Clear PC Cover	Industry Grey	Industry Grey	
CM II Hinges and Latches (PA)	Smoked Grey	Smoked Grey	
Gasket	RAL 5023 Blue	RAL 5023 Blue	
Enclosure Flammability Rating	PUR/EPDM	PUR/EPDM	
Glow Wire Test	UL94-5V	UL94HB	UL 746 C 5 in. vertical flame test
Non-toxicity	960°C	650°C	IEC 695-2-1, Self-extinguishing
UV resistance	Halogen Free	Halogen Free	
Chemical Resistance *	UL 508 720 hours in "Weatherometer"		
	Good	Good	




## TECHNICAL INFORMATION FOR CARDMASTER PC/ABS

PROPERTY	POLYCARBONATE (PC)	ABS	CONFORMITY TO STANDARDS (UL, CSA, CE, Lloyds, BV, FI)
Ingress Protection (EN 60529)	IP65	IP65	<b>USA</b> Enclosures for Electrical Equipment PC: UL Type 1 and 12K (UL 50/508) PC/ABS: NEMA 1, 4, 4X, 6, 12 and 13
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Electrical Insulation	Totally insulated 	Totally insulated 	<b>Australia</b> Enclosures for switch gear and control gear AS 3132-1991
Light Grey Parts Colour	RAL 7035	RAL 7035	
Transparent Clear PC Cover	Industry Grey	Industry Grey	
Hinges and Latches (PA)	Clear Transparent	Clear Transparent	
Gasket	RAL 7035	RAL 7035	
Enclosure Flammability Rating	PUR/EPDM	PUR/EPDM	
Glow Wire Test	UL94-5V	UL94HB	UL 746 C 5 in. vertical flame test
Non-toxicity	960°C	650°C	IEC 695-2-1, Self-extinguishing
UV resistance	Halogen Free	Halogen Free	
Chemical Resistance *	UL 508 720 hours in "Weatherometer"		
	Good	Good	

Data subject to change without notice. \*Consult separate raw material data for more detailed information

## ACCESSORIES

Product/size	Order symbol	Size mm	
Front plate for Cardmaster	FP 30/25 FP 36/31	290 x 190 351 x 225	
for Cardmaster II 17/16 21/18 28/28	FP 17/16 FP 21/28 FP 28/28	160 x 100 207 x 119 254 x 254	
Back panels for Cardmaster	MP 30/25 MP 36/31		
for Cardmaster II	MP 17/16 MP 21/28 MP 28/28		
Cover for Cardmaster	Cover 21/18 Cover 30/25 Cover 36/31	213 x 125 x 26 296 x 196 x 26 363 x 271 x 26	
for Cardmaster II	Cover 21/18 II Cover 17/16 II	213 x 125 x 30	
Wall mounting lug for Cardmaster II	FP 10674		

Product/size	Order symbol	Size mm	
Hinge set for Cardmaster 	SET 21/18 - 30/25 SET 36/31		
Set of hinges & latches for Cardmaster II size 17/16 - 21/18	SET II 17/16 - 21/18		
Key lock set for Cardmaster II sizes 17/16, 21/18, 28/28	MR 26065		
DIN-rail support	MB 20064 SET		
Frame front plate, closed IP 65 NEW 	FP FCPC 17/16-C FP FCPC 21/18-C	160 x 100 203 x 115	
Gasket frame Front plate for gasket frame 	GF 21/18-C FP GF 21/18-C	203 x 115	