

# CAMA

## DIN 43700 PANEL MOUNTING INSTRUMENT CASES FOR PROCESS CONTROL & SCIENTIFIC INSTRUMENTS

Extruded Aluminium Sections  
10 Extrusion Profiles  
Clear Anodised Finish  
Internally slotted for PCBs  
Standard DIN sizes



AUSTRALIAN AGENT:

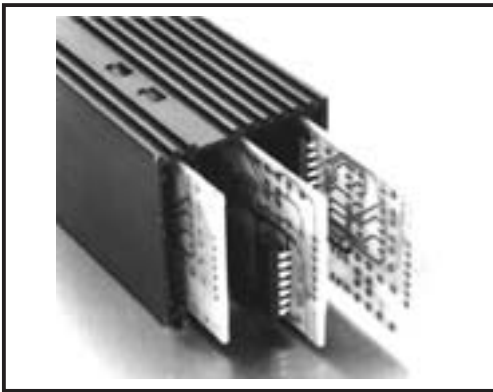
**AUTOMATED MOTION SYSTEMS PTY.LTD.**

The CAMA range of enclosures is specifically designed for panel mounting instruments such as controllers, displays, annunciators, panel meters and measuring instruments. Ten different sizes are available in both rectangular and square profiles, all conforming to the DIN 43700 standard.

The enclosure is constructed from an anodised aluminium alloy extruded section which is internally grooved to allow printed circuit boards to fit easily without requiring holding screws or pegs. The aluminium section also provides heatsinking and some RF shielding. Black plastic moulded front and rear frames are then screwed to the ends of the section and panels are clipped into these frames. The front panels may be either red perspex for LED displays or clear perspex for LCD displays. Screw brackets, which then clip into holes on the side of the case, are used to hold the finished product in an



Case is held in control panel by screw brackets.

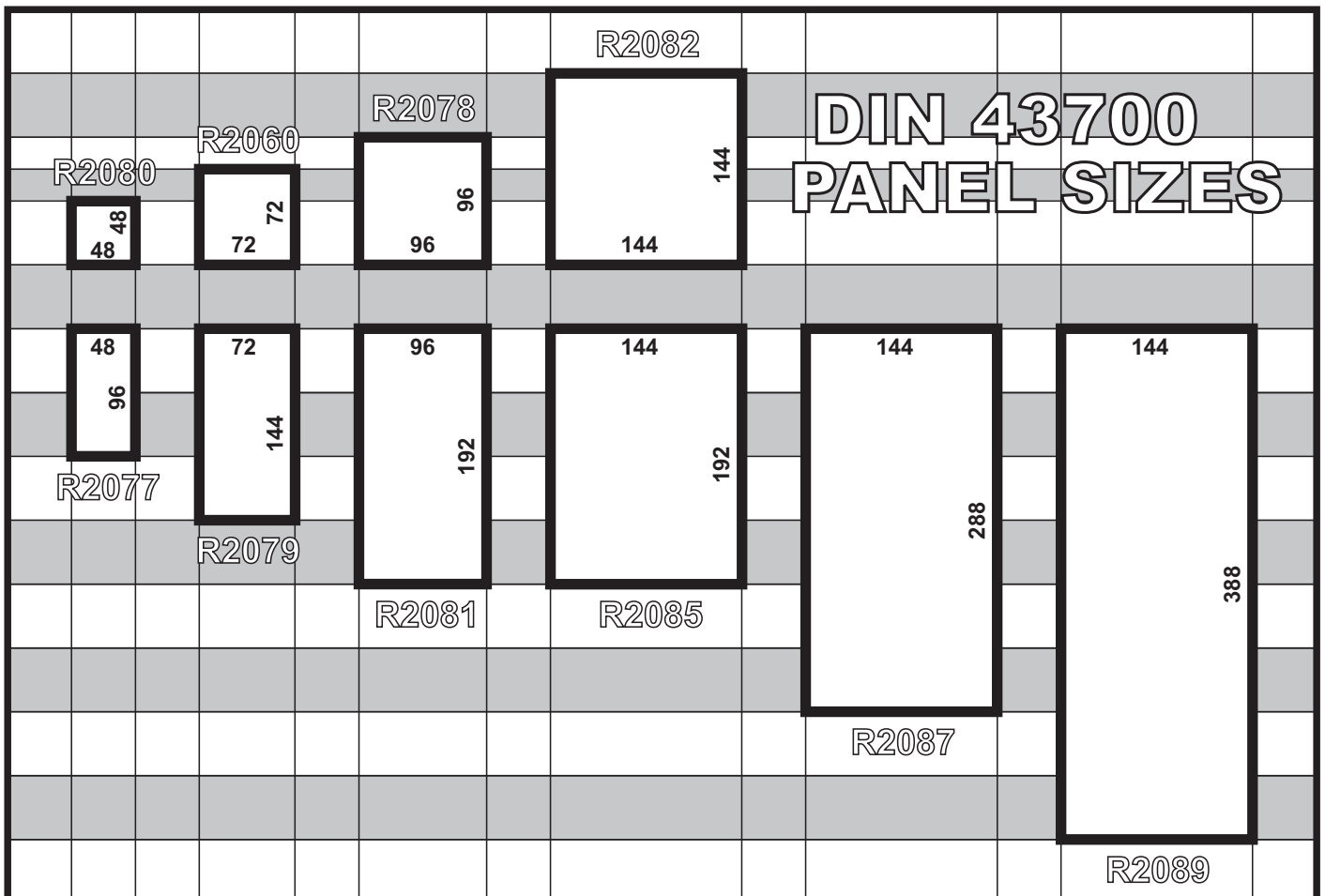


PCBs slide into accurately positioned grooves. No holding brackets or screws are required.

Unique design of the front panel frame allows designers to fit large and complex printed front panels containing membrane switches and windows for LED indicators often required for microprocessor based controllers. The larger size cases have exceptional PCB packing density making them an economical alternative to the 19" Eurorack enclosures.

Flexible manufacture enables non standard extrusion lengths and anodised colored aluminium sections (red, green, black, gold, blue and yellow) to be supplied to give the product a customised appearance.

The CAMA product is ideal for applications where a high quality, professional looking enclosure is required for process control and instrumentation, scientific, medical or communications type products.



# DIMENSIONS

Dimensions in mm.

Tolerance = ± 0.3mm.

Special extrusion lengths and colors available on request.

Cases larger than R2079 have four brackets instead of two for extra stability.

Contact our office for cross section drawings of extrusions.

Cases are supplied with front and rear frames, screws and brackets.

Panels are optional depending on user's choice.

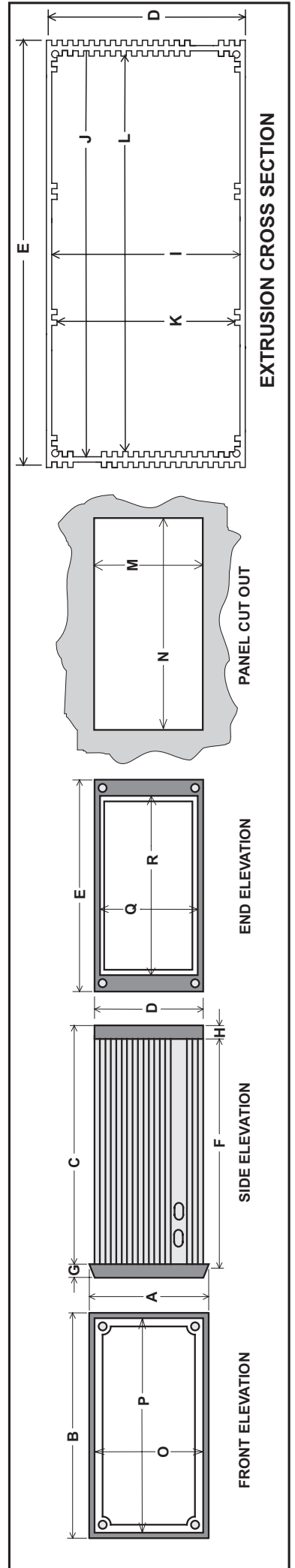
All cases are supplied in the disassembled state.

R2085, R2087, R2089 are not single piece extrusions. These are assembled as sections.

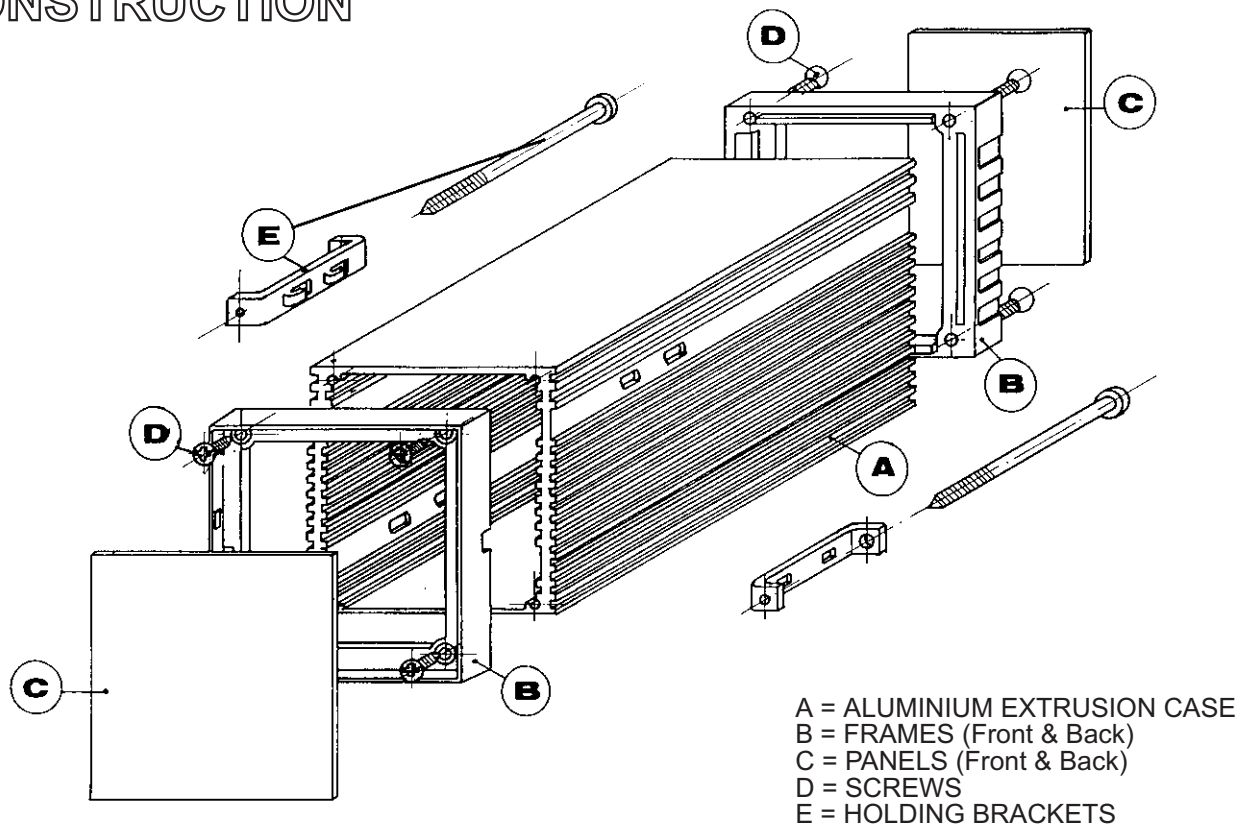
Provisional data only; dimensions subject to change without notice.

\* Indicates standard stock lines as of June 95

ENCLOSURE MODEL NUMBER	DIN HEIGHT	DIN WIDTH	DIN LENGTH	EXTRUSION HEIGHT	EXTRUSION WIDTH	EXTRUSION LENGTH	FRONT FRAME THICKNESS	REAR FRAME THICKNESS	H	I	J	K	L	M	N	O	P	Q	R	WEIGHT (kg)
*R2080-125	48	48	125	45	45	119	8.5	8.0	42	39	X	36.5	45.6	45.6	45.6	45.0	45.0	42.5	30.0	0.125
*R2077-130	48	96	130	44	92	124	8.5	8.0	40.6	85	X	82	45.6	45.6	92.8	44.0	91.9	41.0	74.0	0.210
R2077-185			185			179														0.285
R2060-120	72	72	120	67	67	114	8.5	8.0	63.6	59.8	X	57.2	68.7	68.7	68.7	67.9	67.9	64.8	49.5	0.215
*R2060-145			145			139														0.255
R2078-100	96	96	100	90	90	94	8.5	8.0	86	82	X	79	92.8	92.8	92.8	90.8	90.8	87.0	72.0	0.300
*R2078-130			130			124														0.380
R2079-120	72	144	120	66	138	114	8.5	8.0	62	130	59	127	68.7	68.7	139.0	67.2	139.0	63.0	120.0	0.380
*R2079-145			145			139														0.450
*R2081-130	96	192	130	90	186	124	8.5	8.0	86	178	83	175.5	187.1	187.1	187.1	90.9	187.3	87.0	168.5	0.525
*R2081-185			185			179														0.700
R2082-120	144	144	120	138	138	114	8.8	8.0	134	130	131	127	139.0	139.0	139.0	139.4	139.4	135.5	116.6	0.655
*R2082-145			145			139														0.775
R2085-130	144	192	130	138	182	124	16	13.8	134	175	129	168.9	187.1	187.1	187.1	138.0	186.0	132.0	160.0	0.950
*R2085-185			185			179														1.110
R2087-130	144	288	130	138	282	124	16	13.8	134	275	129	269	283.3	283.3	283.3	138.0	282.0	132.0	260.0	1.320
*R2087-185			185			179														1.540
R2089-130	144	388	130	138	382	124	16	13.8	134	375	129	369	379.5	379.5	379.5	138.0	378.0	132.0	360.0	1.780
R2089-185			185			179														2.075



# CONSTRUCTION



Standard cases are supplied with extrusion, front frame, rear frame, screws and holding brackets. Front and rear panels are optional.

# ACCESSORIES

XXXX = Model No.  
 (see Dimensions table)

**FRONT PANELS:** FPR-XXXX (Front Transparent Red Perspex - 2mm thick)  
 FPC-XXXX (Front Transparent Clear Perspex - 2mm thick)  
 FAL-XXXX (Front Anodized Alumium Panel - 1mm thick)  
 FWP-XXXX (Front White PVC Panel - 1.5mm thick)

**REAR PANELS:** RWP-XXXX (Rear Black PVC Panel - 1.5mm thick)  
 C072144AA for R2079 size case

**SPECIAL FRONT FRAME:** (with thumbscrew attachment of front panel) C144144AA for R2082 size case

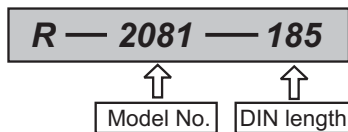
**SEALED FRONT FRAME:** C072144ASP (for 2079 size case only)

**CLIP ON SPLASHPROOF COVER:** C072144APC for R2079 size case  
 C144144APC for R2082 size case

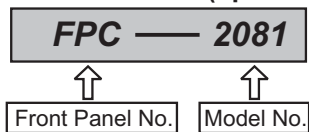
**SPARE PARTS:** A2C pair of brackets for 2080 to 2079 sized cases  
 A4C two pairs of brackets for 2081 to 2089 sized cases  
 FF-XXXX front frame  
 RF-XXXX rear frame

# ORDERING INFORMATION (for standard cases)

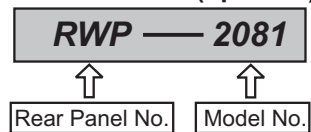
**CASE**



**FRONT PANEL (optional)**



**REAR PANEL (optional)**

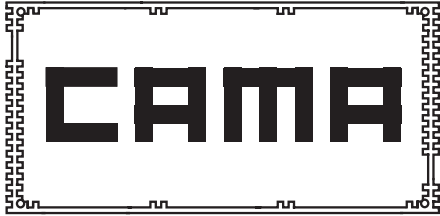


# AUTOMATED MOTION SYSTEMS PTY.LTD.

**MAILING ADDRESS:**  
 P.O.BOX 1240  
 WANGARA DC  
 W.A. 6947

PHONE: (08) 9309 1896  
 FAX: (08) 9309 5671  
 EMAIL: sales@automotsys.com.au  
 INTERNET: http://www.automotsys.com.au

**OFFICE ADDRESS:**  
 UNIT2, 7 BARETTA RD.  
 WANGARA, PERTH  
 WESTERN AUSTRALIA



# PLASTIC ENCLOSURES

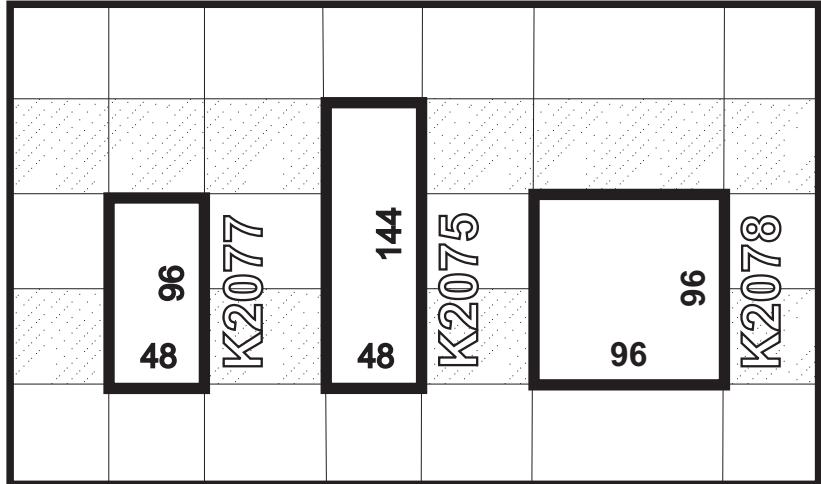
- DIN 43700 Panel mounting instrument cases
- One piece extruded black PVC section
- Internally slotted for PCBs
- 3 Extrusion profiles

Dimensions in mm

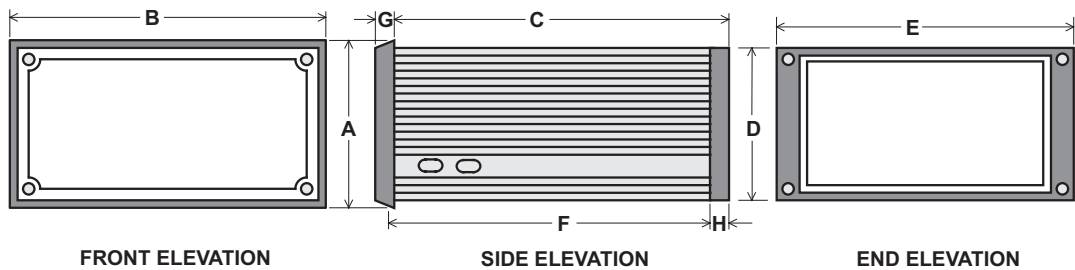
Tolerance  $\pm 0.6\text{mm}$

Non standard lengths available on request

Specifications are subject to change without notice



## DIMENSIONS



PART NUMBER	A	B	C	D	E	F	G	H
K2077-130	48	96	130	45 +0.6	92 +0.8	124	8.5	8.0
K2077-185			185			179		
K2075-120	48	144	120	45 +0.6	138 +1.0	114	8.5	8.0
K2075-145			145			139		
K2078-100	96	96	100	92 +0.8	92 +0.8	94	8.5	8.0
K2078-130			130			124		

# AUTOMATED MOTION SYSTEMS PTY.LTD.

**MAILING ADDRESS:**  
P.O.BOX 1240  
WANGARA DC  
W.A. 6947

PHONE: (08) 9309 1896  
FAX: (08) 9309 5671  
EMAIL: [sales@automotsys.com.au](mailto:sales@automotsys.com.au)  
INTERNET: <http://www.automotsys.com.au>

**OFFICE ADDRESS:**  
UNIT2, 7 BARETTA RD.  
WANGARA, PERTH  
WESTERN AUSTRALIA