HAMMOND MANUFACTURING ™

RITEC
PLASTIC ENCLOSURES

9C-R1

Contents

Hammond Manufacturing and RITEC Enclosures are pleased to announce a global cooperation for the manufacturing and sales of their wide range of diecast, plastic, and metal enclosures.

With inventory in America, Europe, and Asia, the RITEC range of quality products is available with high service levels.

For full technical and distribution information, please see www.hammondmfg.com under the "More Enclosures" section. RITEC information is available as well at www.ritec.com.tw.

Printed in Canada.

Instrument ABS Plastic Enclosures (RM Series)

Key Features:

- Designed to house P.C. boards - for instrument use.
- Molded in light grey - general purpose ABS plastic with a light texture (front & rear panels are smooth). Material carries a UL flammability rating of UL94 HB.
- Two part - clam shell construction. Bottom half includes molded in standoffs for easy P.C. board installation. Larger enclosures also include P.C. board standoffs on the top half. Four short M3 screws included
- Front & rear panels are interchangeable and easily re-movable for modifications.
- Tongue and groove construction provides protection against dust & water. Designed to meet IP43.
- Includes two (or four) - assembly screws (depending on size).
- All units except the RM2015S and RM2055S are se-cured with M3 Philips machine screws, threaded into integral brass bushings. Perfect for applications when repetitive assembly and disassembly are required. The RM2015S and RM2055S use self tapping Philips screws.
- Options include replacement IR translucent or aluminum panels.

Part Number	Color	Units	Length	Width	Enclosure Depth (Assembled)
RM2015S	Grey	inch	5.12	3.94	1.18
		mm	130	100	30
RM2015M	Grey	inch	5.12	3.94	1.97
		mm	130	100	50
RM2015L	Grey	inch	5.12	3.94	2.76
		mm	130	100	70
RM2055S	Grey	inch	7.48	5.51	1.18
		mm	190	140	30
RM2055M	Grey	inch	7.48	5.51	1.97
		mm	190	140	50
RM2055L	Grey	inch	7.48	5.51	2.76
		mm	190	140	70
RM2095S	Grey	inch	9.84	7.09	1.97
		mm	250	180	50
RM2095M	Grey	inch	9.84	7.09	2.95
		mm	250	180	75
RM2095L	Grey	inch	9.84	7.09	3.94
		mm	250	180	100

Technical references and CAD downloads available at www.hammondmfg.com

Project Enclosures (RL Series)

Key Features:

- Designed to house P.C. boards - for hand-held use or wall mount.
- Molded in light grey - general purpose ABS plastic with a light texture.
- Two part construction. Both halves include smooth recessed area for membrane, label or silkscreen (see chart below for recess size).
- P.C. board standoffs are molded into both halves of the enclosure.
- Designed to meet IP54.
- All sizes also available in a flanged lid version.
- Includes four - M3 assembly screws.

Part Number	Part Number (With Flanged Lid)	Units	Length	Width	Enclosure Depth (With Lid)	Lid Recess Size	Bottom Recess Size	P.C.B. Mounting Dimensions	Wall Mount Dimensions (Flanged Lid)
RL6105	RL6105-F	inch	3.15	2.36	1.18	2.13 x 2.05	2.13 x 2.05	2.52 x 1.18	3.62
		mm	80	60	30	54 x 52	54 x 52	64 x 30	92
RL6115	RL6115-F	inch	3.15	2.36	1.57	2.13 x 2.05	2.13 x 2.05	2.52 x 1.18	3.62
		mm	80	60	40	54 x 52	54 x 52	64 x 30	92
RL6215	RL6215-F	inch	4.92	3.15	1.38	3.78 x 2.76	3.78 x 2.76	4.21 x 1.57	5.39
		mm	125	80	35	96 x 70	96 x 70	107 x 40	137
RL6225	RL6225-F	inch	4.92	3.15	1.97	3.78 x 2.76	3.78 x 2.76	4.21 x 1.57	5.39
		mm	125	80	50	96 x 70	96 x 70	107 x 40	137
RL6335	RL6335-F	inch	4.92	3.94	2.36	3.78 x 3.46	3.78 x 3.46	4.17 x 2.56	5.39
		mm	125	100	60	96 x 88	96 x 88	106 x 65	137
RL6365	RL6365-F	inch	4.92	3.94	3.54	3.78 x 3.46	3.78 x 3.46	4.17 x 2.56	5.39
		mm	125	100	90	96 x 88	96 x 88	106 x 65	137
RL6435	RL6435-F	inch	5.91	3.94	2.36	4.72 x 3.54	4.72 x 3.54	5.20 x 2.36	6.38
		mm	150	100	60	120 x 90	120 x 90	132 x 60	162
RL6465	RL6465-F	inch	5.91	3.94	3.54	4.72 x 3.54	4.72 x 3.54	5.20 x 2.36	6.38
		mm	150	100	90	120 x 90	120 x 90	132 x 60	162
RL6555	RL6555-F	inch	6.89	4.92	2.76	5.59 x 4.53	5.59 x 4.53	6.06 x 2.76	7.36
		mm	175	125	70	142 x 115	140 x 112	154 x 70	187
RL6585	RL6585-F	inch	6.89	4.92	3.94	5.59 x 4.53	5.59 x 4.41	6.06 x 2.76	7.36
		mm	175	125	100	142 x 115	140 x 112	154 x 70	187
RL6655	RL6655-F	inch	7.87	5.91	2.76	6.50 x 5.31	6.50 x 5.31	7.01 x 3.94	6.5
		mm	200	150	70	165 x 135	165 x 135	178 x 100	216
RL6685	RL6685-F	inch	7.87	5.91	3.94	6.50 x 5.31	6.50 x 5.31	7.01 x 3.94	6.5
		mm	200	150	100	165 x 135	165 x 135	178 x 100	216

Technical references and CAD downloads available at www.hammondmfg.com

Key Features:

- Designed to house P.C. boards - for hand-held use.
- Molded in light grey - general purpose ABS plastic with a light texture (material carries a UL flammability rating of UL94 HB).
- Two part - snap action - clam shell construction. Both halves include smooth recessed area for membrane, label or silkscreen.
- P.C. board standoffs are molded into both halves of the enclosure. Four short M3 screws included.
- P.C. board guides molded into top half.
- Designed to meet IP54.
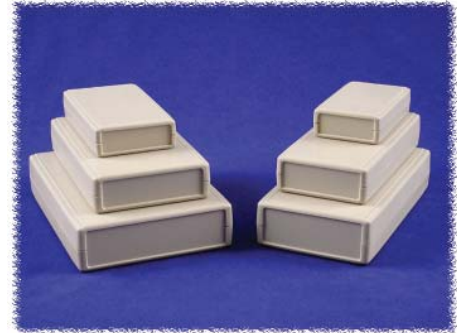- Includes four - M3 assembly screws.

Part Number	Color	Units	Length	Width	Enclosure Depth (With Lid)
RL6015	Grey	inch	4.09	2.56	1.57
		mm	104	65	40
RL6035	Grey	inch	5.67	2.56	1.57
		mm	144	65	40
RL6055	Grey	inch	7.01	4.13	1.57
		mm	178	105	40
RL6065	Grey	inch	8.07	4.13	1.57
		mm	205	105	40

Technical references and CAD downloads available at www.hammondmfg.com

ABS Plastic - Hand-Held (RH Series)

Key Features:

- Electronic instrument enclosures, ideally suited for mounting printed circuit boards.
- Ergonomically designed for a comfortable fit into the user's hand.
- Lap joint construction provides protection against dust accumulation and splashing water.
- Removeable front panel for easy modifications.
- Molded in a light grey general purpose ABS plastic with a light texture (material carries a UL flammability rating of UL94 HB).
- Assembled with M3 Philips machine screws, threaded into integral brass bushings. Perfect for applications when repetitive assembly and disassembly are required (except for the two smallest sizes). The RH3115 and the RH3135 use self tapping M2.6 screws.
- Both top and bottom halves contain P.C. board standoffs molded in.
- The two largest sizes (RH3185 & RH3195) include four self adhesive rubber feet for desk top use.

Standard

Part Number	Units	Length	Width	Enclosure Depth (assembled)
RH3115	inch	3.94	2.36	0.98
	mm	*100*	*60*	*25*
RH3135	inch	4.72	2.76	0.98
	mm	*120*	*70*	*25*
RH3155	inch	6.5	3.15	1.26
	mm	*165*	*80*	*32*
RH3165	inch	6.5	3.94	1.26
	mm	*165*	*100*	*32*
RH3185	inch	7.28	5.31	1.57
	mm	*185*	*135*	*40*
RH3195	inch	7.48	3.94	1.57
	mm	*190*	*100*	*40*

With Battery Door

Part Number	Part Number with Gaskets	Color	Units	Length	Width	Enclosure Depth (assembled)
RH3015	**RH3005***	Grey	inch	5.12	2.68	0.98
			mm	*130*	*68*	*25*
RH3055	**RH3045***	Grey	inch	6.50	3.35	1.18
			mm	*165*	*85*	*30*

* Designed to meet IP 65

Technical references and CAD downloads available at www.hammondmfg.com

Watertight ABS Plastic (RP Series)

Key Features:

- Ideally suited for mounting printed circuit boards or DIN rail mounted components.
- Material - General purpose ABS plastic (material carries a UL flammability rating of UL94 HB).
- Color is a light gray with a light texture. Also available with a clear polycarbonate lid (see table below).
- Gasketed lid with two piece "tongue & groove" construction provides protection against access of oil, dust and water.
- Rubber gasket is included and must be field installed.
- Lid includes smooth recessed area for membrane, label or silkscreen (see chart below for recess size).
- Designed to meet IP 65.
- Lid is secured with self captivating - M3.5 stainless steel machine screws (included), threaded into integral stainless steel bushings (for repetitive assembly & disassembly). All stainless steel hardware to avoid corrosion caused by dissimilar metals.
- Lid screws are self captivating (lid holes are threaded with the first installation of lid screws).
- Internal features are maximized for mounting options:
    - Internal DIN rail mounting tabs - molded in.
    - Options vary with size.

Part No.	Part No. ABS with Clear Lid	Units	Length	Width	Height (Includes Lid)	Lid Recess Size
RP1025	RP1025C	inch	2.56	2.36	1.57	1.54 x 2.05
		mm	65	60	40	39 x 52
RP1065	RP1065C	inch	3.35	3.15	2.17	2.32 x 2.83
		mm	85	80	55	59 x 72
RP1085	RP1085C	inch	4.13	2.95	1.57	2.56 x 3.07
		mm	105	75	40	65 x 78
RP1095	RP1095C	inch	4.13	2.95	2.17	2.56 x 3.07
		mm	105	75	55	65 x 78
RP1135	RP1135C	inch	4.92	3.35	2.17	3.03 x 3.90
		mm	125	85	55	77 x 99
RP1205	RP1205C	inch	5.71	4.13	1.77	4.57 x 3.78
		mm	145	105	45	116 x 96

Part No.	Part No. ABS with Clear Lid	Units	Length	Width	Height (Includes Lid)	Lid Recess Size
RP1215	RP1215C	inch	5.71	4.13	2.56	4.57 x 3.78
		mm	145	105	65	116 x 96
RP1175	RP1175C	inch	6.5	3.35	2.17	2.76 x 5.47
		mm	165	85	55	70 x 139
RP1245	RP1245C	inch	6.5	4.92	2.95	5.43 x 4.57
		mm	165	125	75	138 x 116
RP1285	RP1285C	inch	7.32	5.75	2.95	5.08 x 5.91
		mm	186	146	75	129 x 150
RP1455	RP1455C	inch	8.66	6.5	2.36	7.28 x 5.91
		mm	220	165	60	185 x 150
RP1465	RP1465C	inch	8.66	6.5	3.35	7.28 x 5.91
		mm	220	165	85	185 x 150

Technical references and CAD downloads available at www.hammondmfg.com

Sealed - ABS Plastic (RS Series)

Key Features:

- Designed to house P.C. boards - sealed from dust and water (not for outdoor use).
- Molded in light grey - general purpose ABS plastic with a light texture (material carries a UL flammability rating of UL94 HB).
- Two part - styled lid construction. Top half includes smooth recessed area for membrane, label or silk-screen.
- P.C. board standoffs are molded into the bottom (two smallest sizes) and molded into both halves of the enclosure (two largest sizes). Four short M3 self tapping screws included.
- Gasketed lid with two piece "tongue & groove" construction provides protection against access of oil, dust and water.
- Designed to meet IP65.
- Includes four - M4 assembly screws (see table below for type).
- Lid screws are self captivating (lid holes are threaded with the first installation of lid screws).

Part Number	Color	Assembly Method	Lid Gasket	Units	Length	Width	Enclosure Depth (With Lid)
RS5105S	Grey	Four - Self Tapping Stainless Steel Screws	Installed	inch	4.13	4.13	2.17
				mm	105	105	55
RS5305S	Grey	Four - Self Tapping Stainless Steel Screws	Installed	inch	6.5	4.13	3.07
				mm	165	105	78
RS5705	Grey	Four - Stainless Steel Machine Screws (into Stainless Steel Inserts)	Kit (Included)	inch	9.84	7.87	3.54
				mm	250	200	90
RS5805	Grey	Four - Stainless Steel Machine Screws (into Stainless Steel Inserts)	Kit (Included)	inch	9.84	7.87	5.12
				mm	250	200	130

Technical references and CAD downloads available at www.hammondmfg.com

Watertight Polycarbonate (RP Series)

Key Features:

- Ideally suited for mounting printed circuit boards or DIN rail mounted components.
- Material - Polycarbonate (material carries a UL flammability rating of UL94 HB).
- Color is an off white with a light texture.
- Gasketed lid with two piece "tongue & groove" construction provides protection against access of oil, dust and water.
- Rubber gasket is included and must be field installed.
- Lid includes smooth recessed area for membrane, label or silkscreen (see chart below for recess size).
- Designed to meet IP 65.
- Lid is secured with self captivating - M3.5 stainless steel machine screws (included), threaded into integral stainless steel bushings (for repetitive assembly & disassembly). All stainless steel hardware to avoid corrosion caused by dissimilar metals.
- Lid screws are self captivating (lid holes are threaded with the first installation of lid screws).
- Internal features are maximized for mounting options:
  - Internal DIN rail mounting tabs - molded in.
  - Options vary with size.

Part No.	Units	Length	Width	Height (Includes Lid)	Lid Recess Size
RP1020	inch	2.56	2.36	1.57	1.54 x 2.05
	mm	65	60	40	39 x 52
RP1060	inch	3.35	3.15	2.17	2.32 x 2.83
	mm	85	80	55	59 x 72
RP1080	inch	4.13	2.95	1.57	2.56 x 3.07
	mm	105	75	40	65 x 78
RP1090	inch	4.13	2.95	2.17	2.56 x 3.07
	mm	105	75	55	65 x 78
RP1130	inch	4.92	3.35	2.17	3.03 x 3.90
	mm	125	85	55	77 x 99
RP1200	inch	5.71	4.13	1.77	4.57 x 3.78
	mm	145	105	45	116 x 96
RP1210	inch	5.71	4.13	2.56	4.57 x 3.78
	mm	145	105	65	116 x 96
RP1170	inch	6.5	3.35	2.17	2.76 x 5.47
	mm	165	85	55	70 x 139
RP1240	inch	6.5	4.92	2.95	5.43 x 4.57
	mm	165	125	75	138 x 116
RP1280	inch	7.32	5.75	2.95	5.08 x 5.91
	mm	186	146	75	129 x 150
RP1450	inch	8.66	6.5	2.36	7.28 x 5.91
	mm	220	165	60	185 x 150
RP1460	inch	8.66	6.5	3.35	7.28 x 5.91
	mm	220	165	85	185 x 150

Technical references and CAD downloads available at www.hammondmfg.com

Watertight - Deep Lid (RP Series)

Key Features:

- Ideally suited for mounting printed circuit boards or DIN rail mounted components requiring a deep enclosure.
- Choice of two materials - General purpose ABS plastic or Polycarbonate (both materials carry a UL flammability rating of UL94 HB).
- ABS Plastic color is a light gray with a light texture. Also available with a clear polycarbonate lid (see table below).
- Polycarbonate version is available in an off white with a light texture.
- Gasketed lid with two piece "tongue & groove" construction provides protection against access of oil, dust and water.
- Rubber gasket is included and must be field installed.
- Lid includes smooth recessed area for membrane, label or silkscreen (see chart below for recess size).
- Designed to meet IP 65.
- Lid is secured with self captivating - M3.5 stainless steel machine screws (included), threaded into integral stainless steel bushings (for repetitive assembly & disassembly). All stainless steel hardware to avoid corrosion caused by dissimilar metals.
- Lid screws are self captivating (lid holes are threaded with the first installation of lid screws).
- Internal features are maximized for mounting options:
  - Internal DIN rail mounting tabs - molded in.
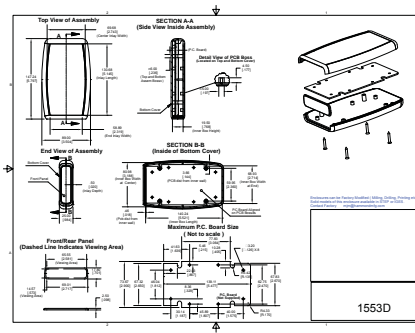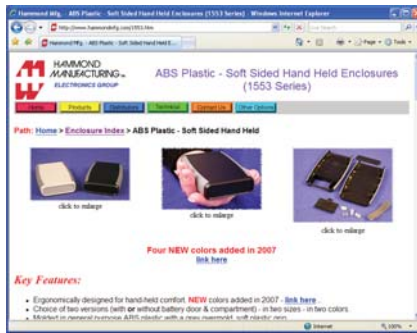 - Options vary with size.

Part No. ABS	Part No. Polycarb	Part No. ABS with Clear Lid	Units	Length	Width	Height (Includes Lid)	Lid Recess Size
RP1155	**RP1150**	**RP1155C**	inch	4.92	3.35	3.35	2.76 x 3.66
			mm	*125*	*85*	*85*	*70 x 93*
RP1185	**RP1180**	**RP1185C**	inch	6.5	3.35	3.35	2.76 x 5.28
			mm	*165*	*85*	*85*	*70 x 134*
RP1385	**RP1380**	**RP1385C**	inch	7.32	5.75	4.33	4.92 x 5.79
			mm	*186*	*146*	*110*	*125 x 147*

Technical references and CAD downloads available at www.hammondmfg.com

Hammond on the Web
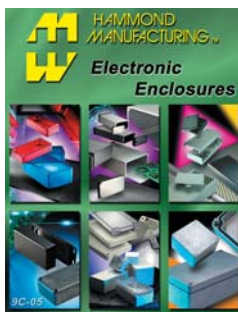
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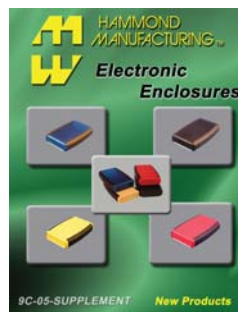
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Additional Hammond Literature

Catalog 9C-05   Catalog 9C-05SUP   Brochure RM-1457

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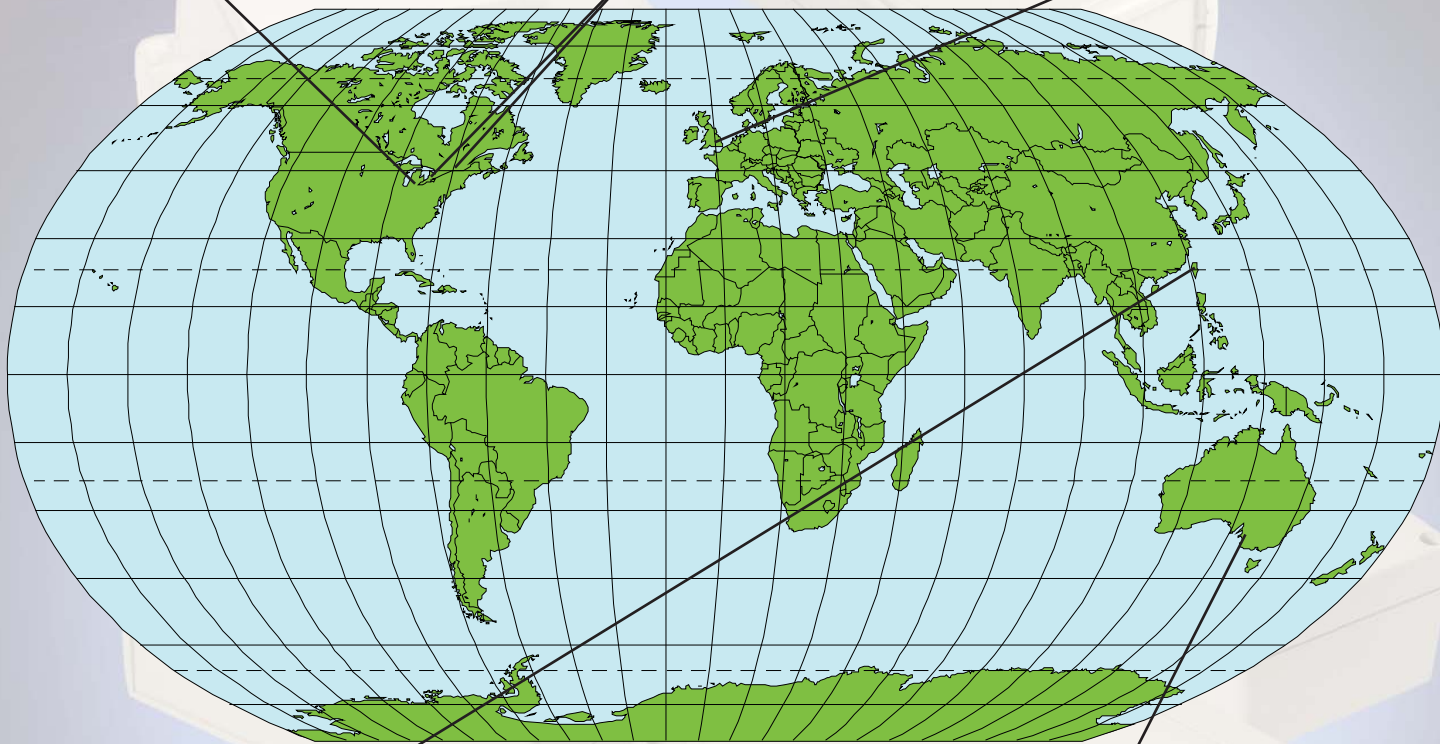 or (905) 456-3770
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