



Polycarbonate Enclosures

Base P/N AMP1086

The newest addition to the POLYLINE® Series of enclosures, 10" x 8" x 6", offers standard features such as multi-mounting capability with your choice of a mounting flange or adjustable mounting feet. A clear polycarbonate cover option allows viewing of critical electronic instrumentation, while providing protection in harsh environments.

Featuring metallic or nonmetallic latches, molded-in latch keepers and mounting bosses, and a tongue-and-groove seal joint between cover and base, POLYLINE is the premier solution in polycarbonate enclosures.



APPLICATION

- Designed to insulate and protect controls and components in both indoor and outdoor applications often found in industrial control panels, pump controls/waste water treatment, irrigation/water control, solar/wind, and chemical plants
- Light weight, impact resistant and good corrosion resistance for many industrial enclosure applications and a great alternative to metallic enclosures
- Protects from dirt, dust, oil and water

STANDARDS

- UL 50 and UL 50E Types 1, 2, 3, 3R, 4, 4X, 6P (screw cover only), 12 & 13
- CSA C22.2 No. 94 Types 1, 2, 3, 3R, 4, 4X, 6P (screw cover only), 12 & 13
- Complies with
 - NEMA Types 1, 2, 3, 3R, 4, 4X, 6P (screw cover only), 12 & 13
 - IEC 60529 Type IP66
 - IEC 60529 Type IP68 submersible up to 24 hours at a depth of 6 feet (1.8 meters) [screw cover only]
 - RoHS directive

CONSTRUCTION

- Injection molded polycarbonate thermoplastic – opaque cover, enclosure base, nonmetal snap latches, feet & flanges
- Opaque cover, enclosure base, feet, and flanges – Light gray color (RAL 7035)
Note: flanged models are pre-assembled; if requested, foot mounting hardware supplied in a bag
- 316 stainless steel captive cover screws, metal snap latches and foot/flange mounting hardware
- Cover seal – Formed-In-Place (FIP) polyurethane gasket system
- #10-32 threaded brass inserts are installed for optional back panel mounting



*New PVC back panel option

ACCESSORIES

- Back panel kits
 - Fixed back panel kit in white painted steel, P/N PL108
 - Fixed back panel kit in aluminum, P/N PLA108
 - ***Fixed back panel kit in PVC, P/N PLPVC108**
- Hinged front panel kits
 - Aluminum, P/N HFPP108
- ULTRAPLUG® hole plug assemblies

MODIFICATIONS

- Custom holes and cutouts
- Custom Polycarbonate viewing windows
- Custom molded-in colors

Contact factory for additional modification options.

CONTACT INFORMATION

Allied Moulded Products Inc.
222 North Union Street
Bryan, OH 43506 USA

Phone: 1-800-722-2679

Fax: 1-800-237-7269

Email: sales@alliedmoulded.com



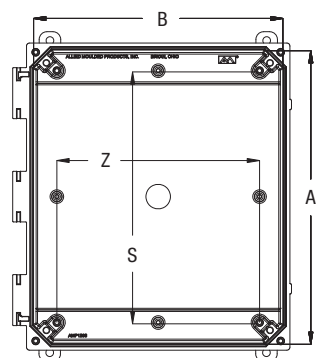
**ALLIED
MOULDED
PRODUCTS, Inc.**

www.alliedmoulded.com

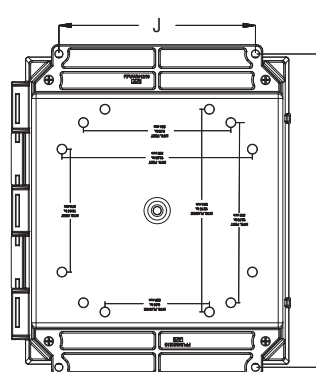
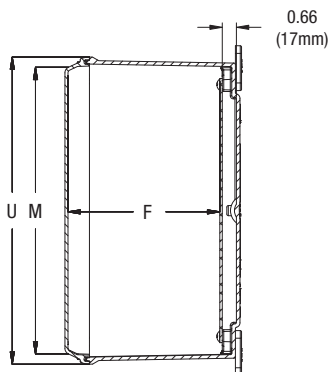


New Polycarbonate Enclosure Options!

Base P/N AMP1086

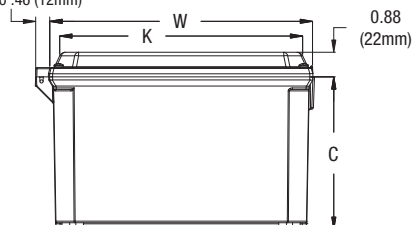


NOTE: COVER REMOVED FOR CLARITY

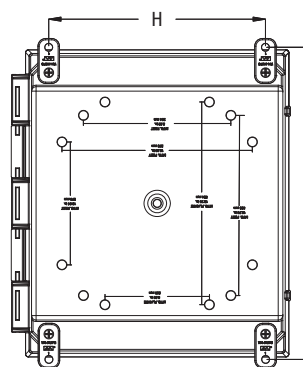


FLANGE MOUNT

6 x 6 x 4 - 14 x 12 x 6 0.56 (14mm)
16 x 14 x 8 .36 (9mm)
18 x 16 x 10 .46 (12mm)



All dimensions are
in inches unless
otherwise noted.



FOOT MOUNT



Scan to watch
our latest
video on the
complete
POLYLINE
series!

*Nom. Wall Thickness: .14 (3.6mm)

Base Part No.	Box Size			Usable Depth	Panel Boss Centers			Back Panel Size			Flange Mount Centers		Foot Mount Centers		Cover Size			
	A	B	C		F	S	Z	Ht.	Wid.	P/N	J	I	H	L	K	M	W	U
AMP1086	9.90	8.12	5.94	6.06	8.25	6.25	8.75	6.88	PL108 PLA108		6.00	10.75	6.91	10.75	7.89	9.67	8.72	10.50
	252mm	207mm	152mm	157mm	210mm	159mm	222mm	175mm			152mm	273mm	175mm	273mm	200mm	246mm	221mm	267mm

Available Configuration Options for AMP1086									
Base Part Number		Cover Types		Cover Attachment Types				Mounting Types	
Base Number Model	Size	Opaque Cover	Clear Cover	Screw Cover	Hinged Screw Cover	Hinged Nonmetal Latch	Hinged Snap Latch	Foot Mount	Flange Mount
AMP1086	10"x8"x6"	(none)	CC	(none)	H	NL	L	(none)	F

Example: Part number AMP1086CCLF is a base enclosure with a clear cover (-CC), a hinged snap latch (-L), and a flange mount (-F).



**ALLIED
MOULDED
PRODUCTS, Inc.**



www.alliedmoulded.com