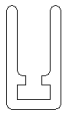
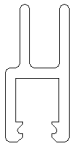
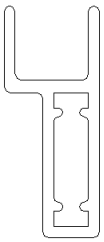
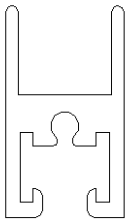
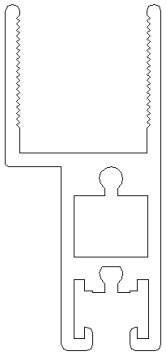
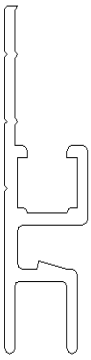
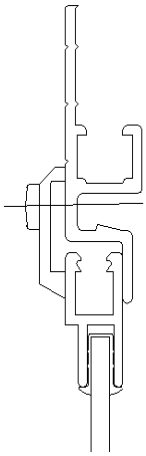
MISCELLANIOUS PANEL INSTALLATION INSTRUCTIONS

DESCRIPTION OF UNIT:

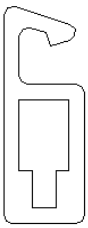
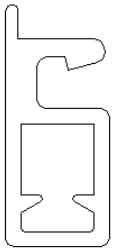
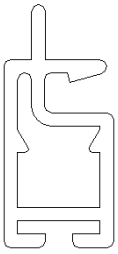
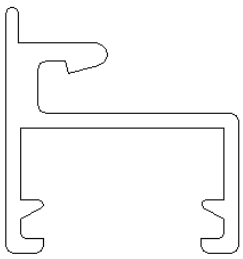
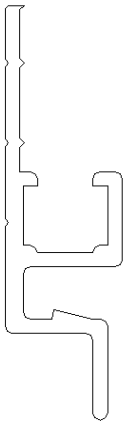
The Mon-Ray Model P-100, P-130, P-150, P-170, 402, and 403 glass storm panels are high performance 1-lite storm panels. The panels are mounted to the interior or exterior of the prime window with either screws, pin locks or panel clips. The selection of which glass panel to use depends on the application and size of the opening. For exterior applications over 3 stories, contact Mon-Ray, Inc. to verify wind loading and structural requirements.

Measuring: Measure the depth from the casing to the stop to which the panel will be mounted, or in the case of the Models 402 and 403 the brick mold conditions. The panels can be installed either to the interior or exterior of an exterior prime window with screws, panel clips or pin locks. Below is a table on the panel options.

Panel Frame Information

	P-100	P-130	P-150	P-170	P-190	402	403
Extrusion Detail Not to scale Refer to product detail drawings							
Glazing Thickness	1/8”	1/8”	1/8”, 3/16”, 1/4”	1/8”, 3/16”, 1/4”	1/8”, 3/16”, 1/4”	1/8”, 3/16”, 1/4”	1/8”, 3/16”, 1/4”
Maximum Glass Area In Sq. Ft.	9.0 Sq.Ft.	18.0 Sq.Ft.	18.0 Sq.Ft.	18.0 Sq.Ft.	18.0 Sq.Ft.	18.0 Sq.Ft.	18.0 Sq.Ft.
Installation with Screws	No	Yes	Yes	Yes	Yes	Yes	Yes
Installation with Pin-Locks	Yes	Yes	Yes	No	No	No	No
Installation with Panel Clips	Yes	No	Yes	No	No	Yes	Yes

Screen Frame Information

	S-100	S-130	S-170	S-190	S401
Extrusion Detail					
Standard Screen Cloth *	18 x14 Charcoal Fiberglass	18 x14 Charcoal Fiberglass	18 x14 Charcoal Fiberglass	18 x14 Charcoal Fiberglass	18 x14 Charcoal Fiberglass
Maximum Screen Area In Sq. Ft.	16.0 Sq. Ft.	16.0 Sq. Ft.	16.0 Sq. Ft.	16.0 Sq. Ft.	16.0 Sq. Ft.
Installation with Screws	No	Yes	Yes	Yes	Yes
Installation with Pin-Locks	Yes	Yes	Yes	No	No
Installation with Panel Clips	Yes	Yes	Yes	No	Yes

* Optional screen clothes are Charcoal Aluminum mesh and Stainless Steel mesh.

Mon-Ray storm panels are effective in minimizing air leakage, preventing water penetration and abating outside noise when properly installed. Mon-Ray, Inc. stands behind it's materials and workmanship with a Ten (10) Year Limited Product Warranty.

TOOLS AND EQUIPMENT YOU WILL NEED:

Power drill with bits	Pencil
Phillips head screwdriver	Utility knife
Regular screwdriver	Tape measurer

BEFORE YOU BEGIN INSTALLATION:

If necessary, carefully remove old storm window or screen frame and hardware from the window opening.

- Make sure mounting surface is clean and smooth. Remove old caulking if necessary.
- Check to see if the existing trim (brick molding) and blind stop around the window opening are solid and securely fastened to support your new storm panel.
- Make sure the sill of the window opening is solid and slopes to the exterior for exterior installation. For interior installation, check for sturdy mounting locations.
- Verify your new storm window is the size, color and style you ordered.
- Carefully read the installation instruction completely before your begin.

NOTE: Mon-Ray, Inc. and its affiliates are not responsible for any injury or accident resulting from the installation, operation or use of this product.

COMPONENTS:

1) Storm panel
2) One (1) Package installation screws or panel clips. (Pin locks are preinstalled at the factory).

INSTALLATION INSTRUCTIONS:

1) Set the interior glazing panel in the opening and push it tightly against the existing screen stop. Fasten the width angles against the screen stop at the head & sill. Be careful not to screw into any hardware of the existing window.

2) For a P-150 carefully mark the four (4) locations where the pin lock plungers make contact with the existing jambs. Note: This location is critical, as you will drill holes for the pin lock plungers to hold the interior glazing panel tight against the screen stop.

3) Drill a 1/4” diameter hole (approximately 3/8” deep) into the existing jamb casing at each location you marked.

4) Install panel in the opening by engaging the pin locks into the pre-drilled holes.

5) For exterior glazing panels, set panel frame on the sill and install installation screws through the factory pre-drilled installation holes or locate holes 12 inches on center if not factory drilled.

You have not completed the installation of your new Mon-Ray Model P-150 Series storm panel.

If you have any questions, please call us at **1-800-544-3646.**