

## Type 4X Polyester Junction Box w/ Window *PJ Series*

Various Door Styles



### Application

- Designed for use as instrument enclosures, electric, hydraulic or pneumatic control housings, electrical junction boxes or terminal wiring enclosures.
- Provides outstanding insulation and protection where equipment may be hosed down or be very wet.
- Ideal in applications with high temperatures or highly corrosive environments.

### Standards

- UL 508 Type 1, 2, 3, 4, 4X, 12 and 13
- CSA Type 1, 2, 3, 4, 4X, 12 and 13
- Complies with
  - NEMA Type 1, 2, 3, 4, 4X, 12, & 13
  - IEC 60529, IP66

### Construction

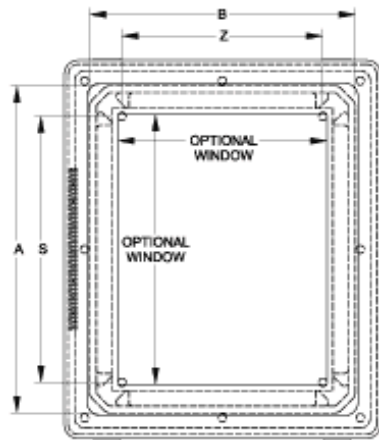
- Molded fiberglass polyester enclosure with matching cover is easily punched, cut, or drilled.
- Enhanced UV inhibitors protect against outdoor weathering.
- Standard JIC sizes under 18"x16".
- Threaded brass inserts are provided for optional inner panel or terminal kit mounting. Mounting hardware is included.
- Stainless steel draw type "snap latch" door fasteners.
- Door fasteners include a provision for padlocking.
- Enclosures are available with bonded polycarbonate viewing windows.
- Door is supported with a continuous stainless steel hinge.
- Captive oil resistant gasket provides a positive seal.
- Threaded brass inserts are provided for mounting feet to the rear of the enclosure.
- Stainless steel mounting brackets and hardware are provided for mounting to the rear of the enclosure.
- Operating temperatures between 130°C and -40°C (266°F to -40°F).
- Impact index of 6.78J (5 ft/lb).
- For corrosion resistance information, please refer to table in the **Technical Information section**.

### Finish

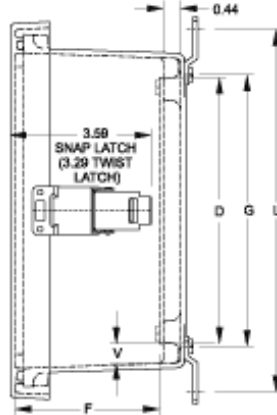
- Fiberglass polyester material has a gray finish.
- Optional inner panels are available in white powder coated finished steel or unfinished aluminum, or Fiberglass.

### Accessories

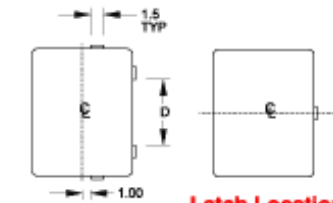
- PJ/PJU Replacement Hardware Kits
- Inner Panels
- Terminal Kit Assemblies



**Front View**



**Side View**



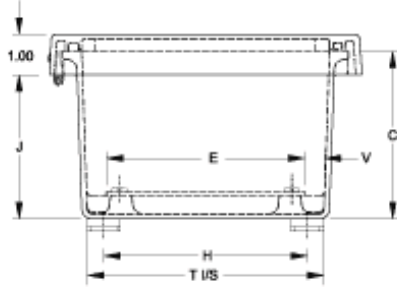
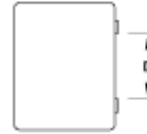
**Latch Locations**

For use on  
18 x 16 x 8 D = 5.25  
20 x 16 x 8 D = 9.25

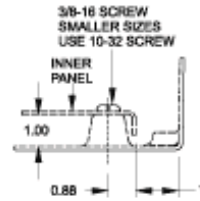
For use on  
6 x 6 x 4 8 x 6 x 4  
10 x 8 x 6  
10 x 8 x 4

**Thermal Index**  
130°C to -40°C (266°F to -40°F)

**Impact Index**  
6.7BJ (5 ft/lb)

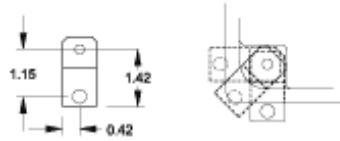


**End View**



**Detail A**

For use on  
12 x 10 x 6 D = 6.75  
14 x 12 x 6 D = 7.25  
16 x 14 x 8 D = 7.25



**Optional Mounting Feet Locations**

| Window Lift-Off<br>Part No. | Window Hinged<br>Part No. | Overall Dimensions |       |      | Panel Size |       |      |       |       |      |       |       | Center |  |
|-----------------------------|---------------------------|--------------------|-------|------|------------|-------|------|-------|-------|------|-------|-------|--------|--|
|                             |                           | A                  | B     | C    | D          | E     | F    | G     | H     | J    | S     | Z     |        |  |
| PJ664W                      | PJ664HW                   | 6.10               | 6.10  | 4.18 | 4.88       | 4.88  | 5.26 | 5.01  | 5.01  | 3.52 | 4.25  | 4.25  |        |  |
| PJ864W                      | PJ864HW                   | 8.00               | 6.12  | 4.13 | 6.75       | 4.88  | 5.21 | 6.89  | 5.01  | 3.47 | 6.25  | 4.25  |        |  |
| PJ1084W                     | PJ1084HW                  | 10.13              | 8.26  | 4.13 | 8.75       | 6.88  | 3.68 | 8.89  | 7.01  | 3.47 | 8.25  | 6.25  |        |  |
| PJ1086W                     | PJ1086HW                  | 10.13              | 8.26  | 6.13 | 8.75       | 6.88  | 7.21 | 8.89  | 7.01  | 5.47 | 8.25  | 6.25  |        |  |
| PJ12106W                    | PJ12106HW                 | 12.13              | 10.26 | 6.13 | 10.75      | 8.88  | 7.21 | 10.89 | 9.01  | 5.47 | 10.25 | 8.25  |        |  |
| PJ14126W                    | PJ14126HW                 | 14.13              | 12.26 | 6.13 | 12.75      | 10.88 | 7.21 | 12.89 | 11.01 | 5.47 | 12.25 | 10.25 |        |  |
| PJ16148W                    | PJ16148HW                 | 16.27              | 14.40 | 8.13 | 14.75      | 12.88 | 9.21 | 14.89 | 13.01 | 7.47 | 14.25 | 12.25 |        |  |
| PJ18168W                    | PJ18168HW                 | 18.40              | 16.40 | 8.13 | 16.88      | 14.88 | 9.21 | 16.97 | 14.97 | 7.47 | 16.25 | 14.25 |        |  |
| PJ20168W                    | PJ20168HW                 | 20.00              | 16.00 | 8.13 | 18.44      | 14.44 | 9.21 | 18.54 | 14.54 | 7.47 | 17.81 | 13.81 |        |  |

| Window Snap<br>Latch<br>Part No. | Window Twist<br>Latch<br>Part No. | Cover<br>Dimensions |       |       |       |       |       |      |      | Opt.<br>Panel<br>Part No. | Window<br>Dimensions |       | Ship<br>Wt.<br>(lbs) |
|----------------------------------|-----------------------------------|---------------------|-------|-------|-------|-------|-------|------|------|---------------------------|----------------------|-------|----------------------|
|                                  |                                   | L                   | T     | K     | M     | U     | W     | R    | V    |                           | Height               | Width |                      |
| PJ664LW                          | PJ664TW                           | 7.32                | 5.83  | 6.08  | 6.08  | 7.70  | 7.69  | 0.44 | 0.49 | 14R0505                   | 4.25                 | 4.25  | 4                    |
| PJ864LW                          | PJ864TW                           | 9.19                | 5.85  | 6.11  | 7.98  | 9.60  | 7.71  | 0.44 | 0.50 | 14R0705                   | 4.25                 | 6.25  | 4                    |
| PJ1084LW                         | PJ1084TW                          | 11.19               | 7.85  | 8.44  | 10.32 | 11.80 | 9.90  | 0.44 | 0.50 | 14R0907                   | 8.37                 | 6.5   | 6                    |
| PJ1086LW                         | PJ1086TW                          | 11.19               | 7.85  | 8.44  | 10.32 | 11.80 | 9.90  | 0.44 | 0.50 | 14R0907                   | 8.37                 | 6.5   | 6                    |
| PJ12106LW                        | PJ12106TW                         | 13.19               | 9.85  | 10.45 | 12.32 | 13.80 | 11.90 | 0.44 | 0.50 | 14R1109                   | 10.37                | 8.5   | 8                    |
| PJ14126LW                        | PJ14126TW                         | 15.19               | 11.85 | 12.45 | 14.32 | 15.70 | 13.85 | 0.44 | 0.50 | 14R1311                   | 12.37                | 10.5  | 11                   |
| PJ16148LW                        | PJ16148TW                         | 17.19               | 13.71 | 13.86 | 15.73 | 17.90 | 15.99 | 0.44 | 0.50 | 14R1513                   | 13                   | 11    | 12                   |

| Window Snap<br>Latch | Window Twist<br>Latch | Cover<br>Dimensions |       |       |       |       |       |      |      | Opt.<br>Panel | Window<br>Dimensions |       | Ship<br>Wt. |
|----------------------|-----------------------|---------------------|-------|-------|-------|-------|-------|------|------|---------------|----------------------|-------|-------------|
| Part No.             | Part No.              | L                   | T     | K     | M     | U     | W     | R    | V    | Part No.      | Height               | Width | (lbs)       |
| PJ18168LW            | PJ18168TW             | 19.28               | 15.72 | 15.86 | 17.86 | 20.00 | 18.00 | 0.44 | 0.50 | P1868         | 14                   | 12    | 17          |
| PJ20168LW            | PJ20168TW             | 20.84               | 15.31 | 15.43 | 19.43 | 21.60 | 17.59 | 0.44 | 0.52 | P2068         | 15                   | 11    | 19          |

Data subject to change without notice