



IR Viewing Window W-MC Series

Increase electrical safety and compliance to NFPA 70E / CSA Z462 with SafeSide® IR Viewing Windows by shutting the door on open-door infrared inspections while reducing PPE.

SafeSide® IR Viewing Windows are backed by an unprecedented lifetime warranty. The unique, polymer design increases consistency in IR inspections by allowing stable transmission for the life of the product, and the patented reinforced grill makes the SafeSide® IR Viewing Window impact resistant.

Options

- Transparent or Opaque Polymers
- Optional visual viewing window
- Locking cover assembly

Features

- Supports visual and infrared imaging for any IR camera
- Polymer based window
- Unconditional guarantee against transmission loss for accuracy
- Patented reinforced grill that does not affect camera focus
- Simple installation with templates included

Benefits

- Enhanced electrical safety
- Increased compliance to NFPA 70E / CSA Z462
- Reduced PPE
- Closed-door infrared inspections
- Stable and consistent transmission over product life
- Largest field of view of any IR window

Testing and Certifications

- Impact and Pressure Test per UL 1558
- UL 50V
- IEEE C37 20.2 Annex A. 3.6 Impact and Load:
- IP65, IP2X,
- Lloyds of London Type Approval
- American Bureau of Shipping (ABS)
- CSA C22.2 No. 14-13, 94-M91, 1-07, 2-07
- UL Type 1, 2, 3, 3R, 5, 12, 12K, 13
- UL 508

Lifetime Warranty

SafeSide® Polymers do not degrade when exposed to acids, alkalis, UV, moisture, humidity, vibration, and high frequency noise - a guarantee no crystal IR window can provide.



W-MC Series

SPECIFICATIONS FOR W-MC SERIES	
Window Housing and Latched Cover	Powder Coated Aluminum (custom materials available)
Gaskets	UL 94 5VA TPE; -40°F (-40°C) to 523°F (273°C)
Hardware	316 stainless steel
Optic	UL 746 compliant, IR transmissive polymer -40°F (-40°C) to 325°C (617°F)
Operating Temperature	-40°F (-40°C) to 392°F (200°C)
Water and Dust Ingress	IP65 / NEMA 4: closed and when in use



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DS:IR Window_MC Series: 5/2014
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5001 Tremont Avenue
Davenport, IA 52807
(800) 280-9517 Fax: (563) 386-9639
www.pesd.com



6-inch Transparent Window
with Hinged Latching Cover



12-inch Transparent Window
No Cover



24-inch Opaque Window
with Hinged Latching Cover



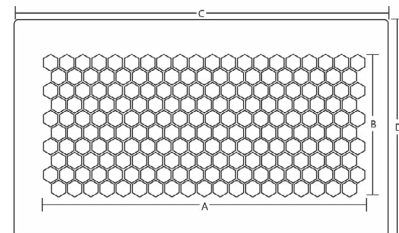
6-inch Opaque Window and Observation
with Half Hinged Latching Cover

PART NUMBER	SIZE	DESCRIPTION
W-MCZ4-41-X* W-MCZ4-51-X W-MCZ4-61-X W-MCZ4-71-X	4 inch 6 inch 12 inch 24 inch	Transparent Hinged Latching Cover
W-MCZ3-51-X W-MCZ3-61-X W-MCZ3-71-X	6 inch 12 inch 24 inch	Transparent No Cover
W-MCZ2-41-X* W-MCZ2-51-X W-MCZ2-61-X W-MCZ2-71-X	4 inch 6 inch 12 inch 24 inch	Opaque Hinged Latching Cover
W-MCZ1-51-X W-MCZ1-61-X W-MCZ1-71-X	6 inch 12 inch 24 inch	Opaque No Cover
W-MCZ5-51-X W-MCZ5-61-X W-MCZ5-71-X	6 inch 12 inch 24 inch	Half Opaque, Half Observation Window No Cover
W-MCZ6-51-X W-MCZ6-61-X W-MCZ6-71-X	6 inch 12 inch 24 inch	Half Opaque, Half Observation Window Half Hinged Latching Cover
W-MCZ7-51-X W-MCZ7-61-X W-MCZ7-71-X	6 inch 12 inch 24 inch	Half Opaque, Half Observation Window Hinged Latching Cover

*Unit does not carry UL at this time

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NOMINAL SIZE	A in [mm]	B in [mm]	C in [mm]	D in [mm]
6	3.6 [91]	5.9 [150]	6.3 [160]	8.6 [218]
12	9.3 [236]	5.0 [127]	12.0 [305]	8.1 [206]
24	20.9 [530]	5.9 [150]	24.0 [610]	8.6 [218]



Front View