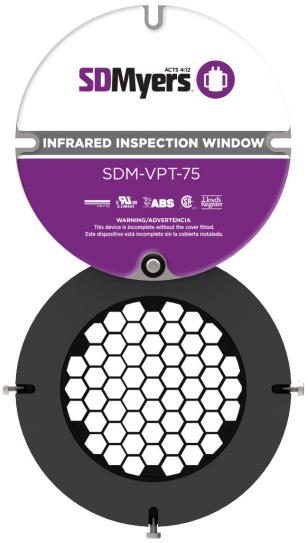
Reinforced Round Polymer IR Window



Round Indoor/Outdoor IR Window

2” | 3” | 4”

Stress-free viewing

Polymer is unaffected by environmental and mechanical stresses commonly seen with crystal-based infrared windows.

Arc containment tested

This series is successfully tested for arc containment on metal enclosed switchgear assemblies.

Improve your vision

These windows have passed rigorous standards and testing, and are UL Listed (E491496).

Clear view of electrical assets

The round indoor/outdoor IR window allows the use of any thermal imager to monitor energized electrical assets. The clear, reinforced polymer IR window optic enables visual inspections and traditional IR inspections across the entire IR spectrum. The round indoor/outdoor IR window is industrial grade, with a patented reinforced grill that exceeds high voltage switchgear viewing pane standards.





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ROUND INDOOR/OUTDOOR IR WINDOW			
Size	2”	3”	4”
DIMENSIONS			
Overall Diameter	3.6 in	4.8 in	5.95 in
Overall Thickness	1.0 in	1.0 in	1.0 in
VIEWING			
Viewing Diameter	2.0 in	3.0 in	4.0 in

OPTICAL SPECIFICATIONS	
Optic Material	Poly-View™ UL 746 compliant, visual, UV and IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)
Reinforcing Grill	Aluminum Reinforcing Grill (IP22/ IP2x Standard)

GENERAL SPECIFICATIONS	
IP / NEMA Environment Rating	IP65 / NEMA 4
Operating Temperature	-40°C (-40°F) to 273°C (523°F)
Body Material	Powder Coated 5052 Aluminum
Gasket Material	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)
Hardware Material	316 Stainless Steel
Voltage Range	Any
Automatically Grounded	Yes

INSPECTION CAPABILITIES AND APPLICATIONS
Midwave IR and Longwave IR; Ultraviolet (UV); Ultrasound; Visual Inspection; Medium/High Voltage Applications

CERTIFICATIONS
UL Listed (E491496)
UL (USA) and cUL (Canada) to the following standards: 50V, 50E, 756C: Impact and Flammability, 746C & 746A-2012, 1558: Impact and Load Resistance, 508A: ANSI 508A
CSA C22.2 No. 14-13, C22.2 No. 14-10, C22.2 No. 94-M91, C22.2 No. 94.1-07, C22.2 No. 94.2-07
Lloyds of London Type Approval
American Bureau of Shipping (ABS)
DNV (Det Norske Veritas) P261.1E Maritime, Vessel and Offshore Applications
IEEE C37 20.7 Type 2B, C37 20.2.a.3.6: Impact and Load
IEC 62271-200, 60262271-200, 60298 Appendix A, 60068-2-6:2007, 60068-2-3, 60068-2-78:2012

WARRANTY
Unconditional Lifetime Warranty

CAUTION **IMPORTANT NOTE**

The above dimensions are not installation measurements. Do NOT cut equipment prior to receiving your IR window and installation template.

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SDMyers.com
tel. 330.630.7000

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