Visually Clear IR Window for Indoor Applications



Rectangular Indoor IR Window

4” | 6” | 12” | 18” | 24”

Durable and rugged

Polymer-based IR windows are far more resistant to the mechanical stresses experienced on high voltage electrical equipment.

Arc containment tested

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

UL listed

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

An unparalleled field of view

The aluminum rectangular indoor IR window series has the largest clear IR transmissive viewing area available on the market today. The reinforced polymer allows any thermal imager to monitor energized electrical assets across the entire visual and IR spectra. The larger rectangular viewing area provides an unparalleled field of view. This series features a locking cover that protects against impacts, flying debris, and dust. The rectangular indoor IR window is recommended for all indoor applications.





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RECTANGULAR INDOOR IR WINDOW

Size	4”	6”	12”	18”	24”
DIMENSIONS					
Overall Width	6.00 in	6.30 in	12.00 in	18.00 in	24.00 in
Overall Height	6.00 in	8.56 in	8.09 in	8.56 in	8.56 in
VIEWING					
Viewing Width	3.81 in	3.81 in	9.13 in	15.41 in	21.20 in
Viewing Height	3.85 in	6.36 in	5.52 in	5.52 in	5.52 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

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CAUTION IMPORTANT NOTE

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

MADE IN USA

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