ANODIZED ALUMINUM OR STAINLESS STEEL WINDOWS WITH PIRMA-LOCK™

FLIR IR WINDOWS

The FLIR IRW-Series inspection windows allow for fast, efficient inspections of electrical gear by eliminating the need to remove panel covers or open electrical cabinets. IR Windows add a protective barrier between you and energized equipment to reduce the risk of arc flash. They also help keep you in compliance with NFPA 70E requirements and may allow you to reduce the amount of personal protective equipment (PPE) needed. The windows are easy to install and feature a permanent, hinged cover that flips open effortlessly, so there are no loose parts to drop, mix up, or lose. Choose from the standard anti-corrosion anodized aluminum frame–or if there are mixed-metal concerns–opt for durable stainless steel. This helps prevent galvanic corrosion from contact between the stainless steel cabinet and window frame.

www.flir.com/instruments/ir-windows

WORK SAFELY

Avoid arc flash incidents

- Keep panel covers on for a protective barrier from energized equipment, and to prevent nuts or bolts from dropping into energized cabinets
- Work confidently with the knowledge that IRW-Series windows meet NFPA 70E safety requirements
- Inspect more frequently to ensure equipment is in good condition, and reduce the potential of incidents

INCREASE EFFICIENCY

Improve productivity and ROI

- Saves time and labor by eliminating the need to remove panel covers, so just one person can complete the inspection
- May reduce the number of protective layers inspectors need to wear
- Supports thermal, MSX®, and visual inspections with broadband crystal IR window that also allows laser pointers and illumination to shine through

DECREASE DOWNTIME

Install easily, with no detachable parts

- Uses standard punch tools for knockouts for single hole installation
- PIRma-Lock™ ring nut speeds installation, automatically grounds, and locks window tight
- Stainless steel option avoids contact between dissimilar metals to resist corrosion

SPECIFICATIONS

Model/Size	IRW-2C/2S 2" Window	IRW-3C/3S 3" Window	IRW-4C/4S 4" Window
NEMA Environment Type	Type 4/12 (outdoor/indoor)	Type 4/12 (outdoor/indoor)	Type 4/12 (outdoor/indoor)
Voltage Range	Any	Any	Any
Automatically Grounded	Yes	Yes	Yes
Maximum Operating Temperature	260°C/500°F	260°C/500°F	260°C/500°F
Body Material - IRW-xC Type	Anodized aluminum	Anodized aluminum	Anodized aluminum
Body Material - IRW-xS Type	AISI-grade 316 stainless steel	AISI-grade 316 stainless steel	AISI-grade 316 stainless steel
Gasket Material	Silicone	Silicone	Silicone
Hardware Material	Steel	Steel	Steel
Size Specifications			
Overall Height	85.5 mm (3.36 in)	107.4 mm (4.22 in)	136.5 mm (5.37 in)
Overall Width	73 mm (2.87 in)	99 mm (3.89 in)	127.44 mm (5.01 in)
Overall Thickness	25.5 mm (1.00 in)	26.86 mm (1.05 in)	29.25 mm (1.15 in)
Required Hole Diameter (Nominal)	60.3 mm (2 3/8 in)	88.9 mm (3 1/2 in)	114.3 mm (4 1/2 in)
Greenlee Punch	76BB	739BB	742BB
Recommended Max. Panel Thickness	3.2 mm (1/8 in)	3.2 mm (1/8 in)	3.2 mm (1/8 in)
Optic Specifications			
Optic Diameter	50 mm (1.97 in)	75 mm (2.95 in)	95 mm (3.74 in)
Viewing Aperture Diameter	45 mm (1.77 in)	69 mm (2.71 in)	89 mm (3.50 in)
Viewing Aperture Area	1590 mm^2 (2.46 in^2)	3739 mm^2 (5.79 in^2)	6221 mm^2 (9.64 in^2)
Optic Maximum Temperature	1355.6°C (2474°F)	1355.6°C (2474°F)	1355.6°C (2474°F)
Ratings & Testing			
UL Component Recognition (UL 50V)	Yes	Yes	Yes
UL 50 / NEMA Environment Rating	Type 4/12	Type 4/12	Type 4/12
Arc Flash Testing, IEC 62271-200 (KEMA)*	5 kV, 63 kA for 30 cycles at 60 Hz	5 kV, 63 kA for 30 cycles at 60 Hz	5 kV, 63 kA for 30 cycles at 60 Hz
IP Rating, IEC 60529 (TUV)*	IP67	IP67	IP67
Vibration Testing, IEC 60068-2-6 (TUV)*	100 m/s^2 vibration withstand	100 m/s^2 vibration withstand	100 m/s^2 vibration withstand
Humidity Testing, IEC 60068-2-3 (TUV)*	Extreme humidity withstand	Extreme humidity withstand	Extreme humidity withstand
Mechanical Testing, ANSI/IEEE C37.20.2 Section A3.6 (TUV)*	Impact and load resistant cover	Impact and load resistant cover	Impact and load resistant cover
Maximum Pullout Strength	657 kg (1450 lbs)	1655 kg (3650 lbs)	1678 kg (3700 lbs)
CSA Certification, C22.2 No. 14 or 508	Yes	Yes	Yes

*Test results valid for IRW-2C, IRW-3C, and IRW-4C only.

Per maggiori informazioni contattare:

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