InfraRed (IR) Windows

Enable successful thermographic inspection programs for energized electrical installations

- *Arc resistant*
- *PIRma-Lock™ locking ring provides approx. 30x more holding surface area*
- *Broadband Crystal*
- *For Indoor/Outdoor use*
- *Waterproof meets IP67*
- *Available in 2", 3" or 4" diameter*
- *Limited Lifetime Warranty*

Hinged cover stays attached

Window labeling/ID #

Mount on Steel or Lexan

Perform visual & Thermal inspections

IRW-Series Features

- Minimizes time and cost of complying with NFPA 70E requirements for electrical inspections
- Decreases risk of arc flash incidents and resultant injuries (compared with other inspection methods)
- Perform both Visual and Thermal inspections through the broadband crystal window which is compatible with all thermal cameras and UV, Visual and Fusion inspections (Fusion requires a camera with LED light feature)
- Integrity and environmental ratings of cabinets are intact even after installation
- Rugged anodized aluminum frame & cover

- Hinged cover always stays attached to base unit (minimizes risk of dropping parts around electrical cabinets)
- Windows are sized to match dimensions of standard knockout punches
- Easy to install — 3 step installation
- Provides approx. 30x more holding surface area securing the window to the cabinet door (vs. mounting screws)
- Mount on steel and Lexan panels
- No screw holes to drill or screws to attach
- Window labeling/ID# inside the cover
- Limited Lifetime Warranty against manufacturer defects

Model	IRW-2C	IRW-3C	IRW-4C
Crystal Insert Diameter	1.97" (50mm)	2.95" (75mm)	3.74" (95mm)
Viewing Aperture Diameter	1.73" (44mm)	2.71" (69mm)	3.50" (89mm)
Viewing Aperture Area	2.36 in² (1521mm²)	5.79 in² (3739mm²)	9.64 in² (6221mm²)
Window Thickness	0.07" (2mm)	0.07" (2mm)	0.1" (4mm)
NEMA Rating	Type 4/12	Type 4/12	Type 4/12
Optic Maximum Temperature	2474°F (1355.6°C)	2474°F (1355.6°C)	2474°F (1355.6°C)
Voltage Range	Any	Any	Any
Overall Dimensions (HxWxD)	3.36x2.87x1.00" (85.5x73x25.5mm)	4.22x3.9x1.05" (107.4x99x26.86mm)	5.37x5.01x1.15" (136.5x127x29.25mm)

Ordering Information

Part Number	
19250-100 ....IRW-2C InfraRed Window 2" (O.D. 2.87″/73mm)	
19251-100 ....IRW-3C InfraRed Window 3" (O.D. 3.9″/99mm)	
19252-100 ....IRW-4C InfraRed Window 4" (O.D. 5.01″/127mm)	

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