

## 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 in <sup>2</sup> (1521mm <sup>2</sup> ) | 5.79 in <sup>2</sup> (3739mm <sup>2</sup> ) | 9.64 in <sup>2</sup> (6221mm <sup>2</sup> ) |
| 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"<br>(85.5x73x25.5mm)         | 4.22x3.9x1.05"<br>(107.4x99x26.86mm)        | 5.37x5.01x1.15"<br>(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)