

Viz-IR Infrared and Visual Inspection Viewing Pane

Safety and Compliance Made Clear and Easy

Now you can conduct infrared surveys and visual inspection of energized electrical conductors and circuit parts, from a single impact resistant inspection panel, while keeping panel covers and doors closed.

Proper use of the Viz-IR maintains an enclosed and guarded condition between thermographer and energized components.

Therefore, elevated levels of PPE are not required by NFPA 70E, which states (in section 1-100 FPN#1) "Under normal operating conditions, enclosed energized equipment that has been properly installed and maintained is not likely to pose an arc flash hazard."



Viz-IR Features

- Infrared inspection and visual inspections combined into one inspection panel for safer, more efficient inspections per 70E standards.
- Only infrared inspection window which also permits visual inspection while complying with IEEE C37.20.2 standards for impact resistant viewing panes mandatory on medium and high-voltage switchgear.
- Add optional factory-fitted Ultrasound Port (for use with ultrasound detectors) to detect corona and tracking faults (part number information below). *Always wear appropriate PPE when opening any port or grill as removal of the port cover negates the "guarded" condition.*
- All installation hardware is concealed behind panel door for added safety.
- All plastic components are switchgear-grade, UL746/UL94 compliant.

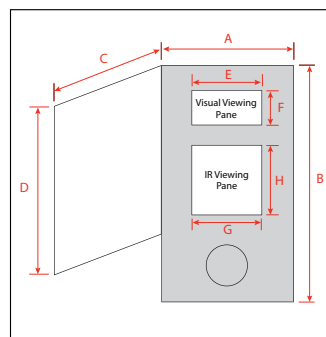


Specifications

| Materials | |
|---|---|
| Panel body | 16 gauge steel; powder coat finish |
| IR viewing pane | Steel reinforced IR transmissive polymer; up to 325°C (617°F) |
| Visual inspection window | Plexiglas; up to 180°C (356°F) |
| Sealing gaskets | Silicone-based; up to 250°C (482°F) |
| Ultrasound port (optional) | Nylon body |
| Other | |
| Useful temperature rating | -40°C (-40°F) to 130°C (266°F) as the value |
| IP65 certified (NEMA 4) in open and closed positions (Ultrasound port IP65 closed; IP2x open) | |

Dimensions

| Description | Width | Height |
|---------------------|-------------------------|------------------------|
| Overall Viz-IR unit | A = 18.9 cm (7.4375 in) | B = 33.7 cm (13.25 in) |
| Door | C = 18.7 cm (4.375 in) | D = 23.5 cm (9.25 in) |
| Visual viewing pane | E = 10 cm (3.9375 in) | F = 4.9 cm (1.9375 in) |
| IR viewing pane | G = 9.2 cm (3.625 in) | H = 9.5 cm (3.75 in) |



Ordering information

| Order # | Description | Price |
|----------|--|------------------|
| Viz-IR | Visual and IR inspection panel | Call for Pricing |
| Viz-IR-U | Visual, IR and ultrasound inspection panel | Call for Pricing |

Prices effective through December, 2008

For more information visit www.iriss.com or contact your local agent

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