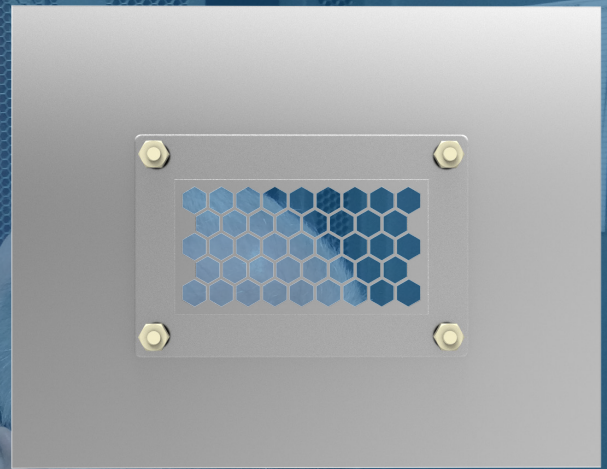


The FlexIR-Clear Series

A Clear Solution to an Everyday Problem



The FlexIR-Clear range of products is another innovative addition to the custom solutions from IRISS to ensure that your inspection windows meet your needs and applications. One of the most difficult things to overcome in infrared inspections of electrical systems is imaging through the clear polycarbonate safety guards that are typically installed in front of electrical connections that completely block the transmission of infrared radiation. These guards have a very important function as they maintain the IP20 touch-safe requirement by ensuring that no one can accidentally touch the energized components when the panel door is open.

The FlexIR-Clear range of products are a clear polycarbonate grill that is IP20 compliant and allows direct temperature measurement of energized components for infrared and visual inspections while ensuring the operators cannot come in contact with the energized components. They are available in standard and custom sizes allowing inspections to be completed on those unique applications without the increased risk associated with removing covers or guards.

Features



Customizable



Durable and Rugged



Proudly Made in the United States



Unconditional Lifetime Warranty



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Specifications

Model	CVIR-4	CVIR-6	CVIR-12	CVIR-18	CVIR-24
General Specifications					
NEMA Rating	IP10 / NEMA 1				
Voltage Range	Any				
Operating Temperature	-40°C (-40°F) to 325°C (617°F)				
Body Material	Makrolon®				
Dimension and Optic Specifications					
Grill Material	Makrolon® (IP22/ IP2x Standard)				
Tensile Strength (Yield)	9,000 psi per ASTM D638 test method				
Tensile Strength (Ultimate)	9,500 psi per ASTM D638 test method				
Compressive Strength	12,500 psi per ASTM D695 test method				
Flexural Strength	13,500 psi per ASTM D790 test method				
Dielectric Constant (60 Hz)	3.17 per ASTM D150 test method				
UL 94 Flammability Rating	V0 @ 0.060"; V0 5VA @ 0.118"				
Viewing Aperture Dimensions	L= 9.68 cm (3.81 in) H= 9.77 cm (3.85 in)	L= 9.1 cm (3.6 in) H= 15 cm (5.9 in)	L= 23.6 cm (9.3 in) H= 12.7 cm (5.0 in)	L= 39 cm (15.4 in) H= 15 cm (5.9 in)	L= 53 cm (20.9 in) H= 15 cm (5.9 in)
Overall Dimensions	L= 15.24 cm (6 in) H= 15.24 cm (6 in)	L= 16 cm (6.3 in) H= 21.8 cm (8.6 in)	L= 30.5 cm (12.0 in) H= 20.6 cm (8.1 in)	L= 45.7 cm (20.9 in) H= 21.8 cm (8.6 in)	L= 61 cm (24.0 in) H= 21.8 cm (8.6 in)
Inspection Capabilities and Applications					
Midwave IR	Yes				
Longwave IR	Yes				
Ultraviolet (UV)	Yes				
Visual Inspection	Yes				
Medium/High Voltage Applications	Yes				
Other					
Warranty	Unconditional Lifetime Warranty				

Certifications

UL & cUL Certifications:

- UL 746C & UL 746A-2012

Other:

- IP10/NEMA 1



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