

The QwikFit-IR

It's Time Your Infrared Window Fitted Your Needs and Applications

The QwikFit-IR is a unique solution for panel board applications where small frame breakers' load side connections would not be visible for infrared inspection even if a custom deadfront replacement panel had been installed. The QwikFit-IR replaces the small frame breaker's standard blanking plate providing unparalleled inspection access. QwikFit-IR snaps in place and are available for Square D™ I-Line combo and distribution panel boards.

Any Camera - Any Task

The exclusive industrial-grade, reinforced polymer optic allows any thermographic camera to monitor completely undisturbed assets inside electrical equipment. The IRISS Polymer optics work with all ranges of Infrared, Ultraviolet and Visual Inspection Cameras.

Fixed and Stable Transmission

Polymer based infrared windows are unaffected by the environmental and mechanical stresses that degrade the transmission of crystal based IR windows which are fragile and hygroscopic (even when coated). The polymer IR window systems will maintain fixed and stable transmission (FAST) for the life of the installation ensuring that the temperature data collected through the IR window is accurate and reliable for the whole life of the installation.

Features



Poly-View™
Optic



Durable and
Rugged



Anti-Fogging
Optic



Unconditional
Lifetime
Warranty



Proudly
Made in the
United States

Specifications

Model	QFIR-4.5
General Specifications	
NEMA Rating	IP10 / NEMA 1
Voltage Range	Any
Operating Temperature	-40°C (-40°F) to 273°C (523°F)
Body Material	UL 94 5VA Nylon (switchgear-grade plastic); -40°C (-40°F) to 273°C (523°F)
Hardware	316 Stainless Steel
Gaskets	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)
Dimension and Optic Specifications	
Optic Material	UL 746 compliant, visual, UV and IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)
Optic Reinforcing Grill Material	Aluminum Reinforcing Grill (IP22/ IP2x Standard)
Viewing Aperture Dimensions	L= 9.68 cm (3.81 in), H= 9.77 cm (3.85 in)
Overall Dimensions	L= 9.68 cm (3.81 in), H= 9.77 cm (3.85 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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