



FlexIR Inspection Solutions

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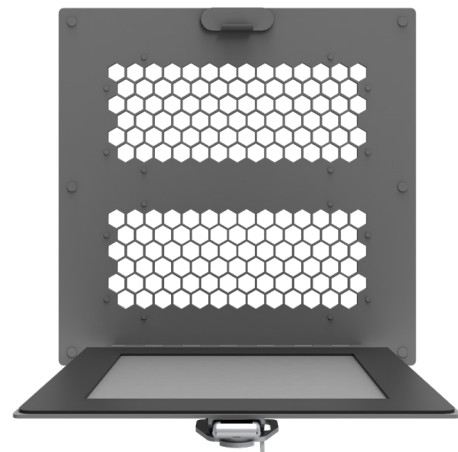


It's Time Your Infrared Window Fitted Your Needs and Applications

The patented IRISS reinforced optic is flexible and can be manufactured in an infinite number of shapes and sizes. This allows the IR technician safe access to energized targets previously considered impossible. Direct temperature measurement is now available on those unique applications without the increased risk associated with opening doors or removing covers and guards. IRISS' state-of-the-art ISO accredited manufacturing facility features a completely vertically integrated production system including metal fabrication, bending, welding, paint & label making. We utilize rapid prototyping via 3D scanning, modelling and 3D printing techniques which enhances our ability to create custom solutions in record time. There is no such thing as a standard IR inspection so why should there only be a standard IR Window? IRISS is the only IR window manufacturer with solutions for unique applications. FlexIR Custom IR windows meets your needs and applications including transformers, panel boards, load centers, switchboards, busway and much more. Flex IR Large format replacement panels are now UL Listed replacement components (UL File E 491496). we also have an extensive library of designs for many common OEM products.

FlexIR Custom Panel Replacements

Enhance your Condition Based Reliability program by replacing access panels or doors on panelboards, switchboards or switchgear with IRISS UL Listed custom panels containing maintenance inspection windows. Maintenance inspection windows within the panels can be infrared capable only, or a combination of infrared and ultrasound technologies. Any size, shape or color of inspection window can be incorporated into the replacement panel, so all targets are within the field of view for non-invasive infrared thermographic inspections. Safe and routine inspections are now possible on energized electrical assets ensuring that any anomaly will be detected long before a failure occurs.

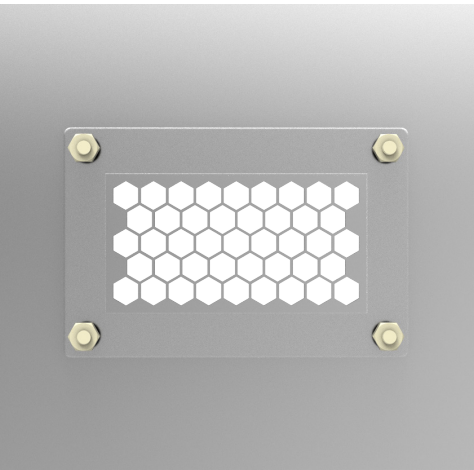
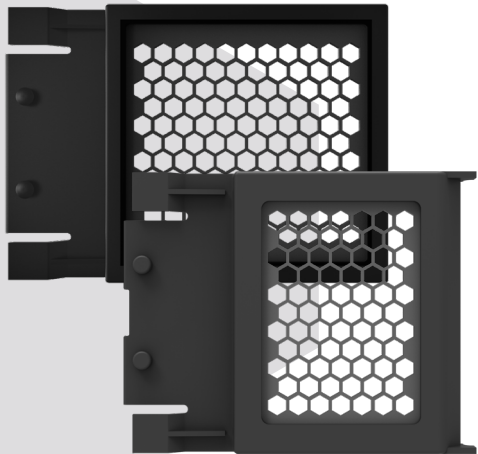


FlexIR Custom IR Windows

IRISS patented reinforced polymer optic system has allowed us to create a wealth of standard size windows - both round and large format rectangular. However, sometimes a standard size window just won't fit either due to the panel size you want to install in or because of the nature and location of the IR targets within an electrical cabinet. Or perhaps the equipment in question would require more than one large format window to be able to inspect all of the target connections. Custom sized cut-in windows can solve these problems. You want an oversized window with a viewing area of 10"H x 12" W to see all the targets – no problem. we can make a direct drop in replacement that will give you both visual and IR inspection capability with an outdoor rated design.

QwikFit-IR

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. Versions for standard and electronic trip type breakers are available.



FlexIR-Clear Series

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 often installed in front of electrical connections. These touch-proof barriers completely block the transmission of infrared radiation and become a secondary hazard to the infrared technician who must remove them to be able to scan the targets they are meant to protect. FlexIR-Clear Series are made from a UL approved flame retardant plastic and maintain the IP20 touch-safe requirement. The machined hex pattern in the FlexIR-Clear pane allows for infrared energy transmission. Standard and custom sizes are available to meet any application.