IR WINDOWS

APPLICATION

IR Windows provide a safe, efficient, and accurate way to perform electrical inspections or predictive maintenance without removing the panels or disturbing the electrical equipment.

Installing the IR Windows can help protect employees from potential arc flash hazards and comply with NFPA70E safety guidelines. The special design and feature enable quicker inspections which save money and time. Made with durable broadband crystal optic and aluminum housing materials, IR Windows can be mounted to any enclosure.

Equipped with HYDROGARD™ lens moisture protection, IR Windows can be installed both indoors and outdoors. IR Windows work with any thermal imager, expanding the application to many industries. Each kit comes with a self-adhesive drilling template, hardware, and step-by-step instructions for easy installation or can be pre-installed into Hoffman enclosures.
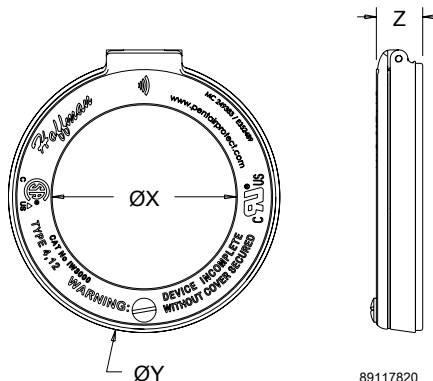
SPECIFICATIONS

- Spring-loaded cover opens and retains position. Clear cover design allows for visual inspection when closed
- Arc flash tested against a 50kA short circuit for 1 second at 11kV
- Quarter-turn locking system for quick access
- Built-in silicone gaskets for protection against water and dust ingress
- Gasket maximum temperature: 250 C/482 F; Body maximum temperature: 659 C/1218 F; Optic maximum temperature: 1400 C/2552 F.

BULLETIN: A80RW

INDUSTRY STANDARDS

UL 50 Component Recognized; Type 4, 12. File No.: E362489
UL 50V Component Recognized. File No.: E362489

cCSAus Certified; Type 3, 4, 12. File No.: 249383
NEMA/EEMAC Type 3, 4, 12
IEC60529, IP65

Standard Product

Catalog Number	X in./mm	Y in./mm	Z in./mm	Description	Crystal Thickness in./mm	Viewing Area	Free diameter space required for mounting in./mm
IW3000	2.9	4.2	0.8	3-in. (75 mm) IR Window	.08	6.49 sq. in. (4186 sq. mm)	4.50
	73	107	19		2		115
IW4000	3.7	5.0	0.8	4-in. (100 mm) IR Window	.16	10.53 sq. in (6794 sq. mm)	5.50
	92	127	21		4		140

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Notes