

CV Series ClirVu® Infrared Windows

Technical Data

Compliance without compromise. Safety without sacrifice.

Increase the safety and speed of electrical thermal imaging inspections with the new Fluke ClirVu® IR Windows. Reduce the risk of arc-flash and electrocution, increase the safety of your personnel and reduce the time and cost of preventive maintenance.

- No more removing the panel door for installation
- Work permit requirements and NFPA 70E processes are significantly reduced
- Full PPE is often not required so inspections are done faster and more comfortable



- Superior arc blast protection:
 - High temperature silicon gaskets
 - Mounting and door latches provide high pressure gasket compression
 - Die cast components are manufactured with the highest strength alloys
 - Jam nut screws are made from 4037 steel, heat treated to 160,000 psi tensile
- Torture Tested to the highest test ratings
 - IEEE C37.20.7 63 kA Arc tested at KEMA, UL 50/50E/50V, UL1558, IEC60529-1: IP67, IEC 60068, NEMA 4/12, CSA C22.2 NO. 14-13:2012, and CE
- Quick and easy installation
 - Installation takes **5 minutes** with one technician
 - Only one hole necessary with standard Greenlee® punch. Rear access required for punch connection only (Easily accomplished with one technician)
 - Installs from front; no template needed; no rear access required
 - Grounds instantly to metal enclosure with patent pending AutoGround™ process
 - Sharp teeth on jam nuts assure four gas-tight ground connections
 - All components have electrically conductive finishes for optimum grounding
- Quarter turn latch easily opens hinged cover
- Corrosion and UV resistance for challenging outdoor environments
- Three sizes 50 mm, 75 mm and 95 mm (2 in , 3 in and 4 in) with the option of hand turn or security key door latches



Specifications

Model	CV400	CV401	CV300	CV301	CV200	CV201
Size	95 mm (4 in)		75 mm (3 in)		50 mm (2 in)	
Voltage range	Any					
NEMA environment type	Type 4/12 (indoor/outdoor)					
AutoGround™	Yes					
ClirVu® optic	Yes					
Operating temperature	-40 °C to +232 °C (-40 ° F to +450 °F) and +260 °C (500 °F) Intermittent					
Compatible with all Fluke cameras	Yes					
Jam nut locking system	Yes					
Cover and fastener permanently attached	Yes					
Single-hole install	Yes					
Hand turn and security key door latch options	Yes					
Visual inspection and fusion capable	Yes					
Short/Mid/Long-wave IR and UV capable	Yes					
Ratings and testing						
Arc-tested (IEEE C37.20.7)	63 kA for 30 cycles @ 60 Hz at KEMA					
UL 50V component recognition	Yes					
UL 50 /NEMA environmental rating	NEMA Type 4/12					
UL1558	Yes					
CSA C22.2 No.	Yes					
CSA type rating	Type 4					
IP rating	IP67 at TUV					
Lloyds register	Up to 11 kV marine switchgear, indoor or outdoor (offshore only)					
Vibration rating	IEC60068-2-6 at TUV					
Humidity rating	IEC60068-2-3 at TUV					
Install						
Actual mounting hole diameter required	115.42 mm (4.544 in)		89.89 mm (3.539 in)		61.37 mm (2.416 in)	
Greenlee® punch kit = punch/die	742BB = 2984AV/2983AV		739BB = 1431AV/1432AV		76BB = 441AV/442AV	
Recommended max panel thickness	10 gage					
Overall window height	189.3 mm (7.45 in)		141.5 mm (5.57 in)		112.9 mm (4.45 in)	
Overall window width	147.1 mm (5.79 in)		111.5 mm (4.39 in)		83.0 mm (3.27 in)	
Overall window thickness	23.0 mm (0.90 in)		16.2 mm (0.64 in)		16.2 mm (0.64 in)	
Door latch	Hand Turn	Security Key	Hand Turn	Security Key	Hand Turn	Security Key
Optics						
Optic insert diameter	95 mm (3.74 in)		75 mm (2.96 in)		50 mm (1.97 in)	
Viewing aperture diameter	87.63 mm (3.450 in)		67.95 mm (2.675 in)		42.93 mm (1.690 in)	
Viewing aperture area	6032 sq.mm (9.35 sq.in)		3626 sq.mm (5.62 sq. in)		1445 sq.mm (2.24 sq. in)	
Thickness	4 mm (0.16 in)		2 mm (0.08 in)			
Other						
Warranty	Lifetime replacement against manufacturing defects					

Quick and easy install – 5 minutes, a standard hole punch and a torque wrench is all you need.



Ordering information

CV200 2 in (50 mm) IR Window, Hand Turn Door Latch
CV201 2 in (50 mm) IR Window, Security Key Door Latch
CV300 3 in (75 mm) IR Window, Hand Turn Door Latch
CV301 3 in (75 mm) IR Window, Security Key Door Latch
CV400 4 in (95 mm) IR Window, Hand Turn Door Latch
CV401 4 in (95 mm) IR Window, Security Key Door Latch

Included with product

Fluke IR Windows are supplied complete, assembled and ready for installation. In addition to the IR Window each carton contains warranty statement and security key if that option is ordered.

Find out more information at www.fluke.co.uk/irwindows

Fluke Europe B.V.

P.O. Box 1186
 5602 BD Eindhoven
 The Netherlands
 Web: www.fluke.co.uk

For more information call:

In Europe/M-East/Africa
 +31 (0) 40 2 675 200 or
 Fax +31 (0) 40 2 675 222

Fluke (UK) Ltd.

52 Hurricane Way
 Norwich, Norfolk
 NR6 6JB
 United Kingdom
 Tel.: +44 (0) 20 7942 0700
 Fax: +44 (0) 20 7942 0701
 E-mail: industrial@uk.fluke.nl
 Web: www.fluke.co.uk

©2013 Fluke Corporation. All rights reserved.
 Data subject to alteration without notice.
 7/2013 Pub_ID: 12100-eng

**Modification of this document is not permitted
 without written permission from Fluke Corporation.**



**Стандарт
Электрон
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331