



C-RANGE

INFRARED SIGHTGLASSES

**NOW AVAILABLE FOR
ZONE 1 HAZARDOUS AREAS**

MOTORS



TRANSFORMERS



SWITCHGEAR



■ **SAFE-** 40kA ARC-FLASH TESTED

Successfully Arc-flash tested to a maximum of 40kA. Testing carried out to both IEEE C37 and IEC62271-200 for worldwide compliance.

■ **RUGGED-** NEMA TYPE 3/12 & IP65 RATED

Certified by UL, SIRA and Lloyds of London for installation into both indoor and outdoor equipment

■ **FLEXIBLE-** BROADBAND CRYSTAL OPTIC

Broadband optic suitable for all IR cameras uses the CLIRVU® coating system, providing flexibility and longevity. Only Hawk IR can provide a lifetime guarantee on the CLIRVU® coated crystal optics.

■ **SECURE-** SAFE INSTALLATIONS

Unique mounting system allows for safe, single person installation & retro-fitting with NO dangerous internal fasteners required.

The only IR Sightglass
endorsed by

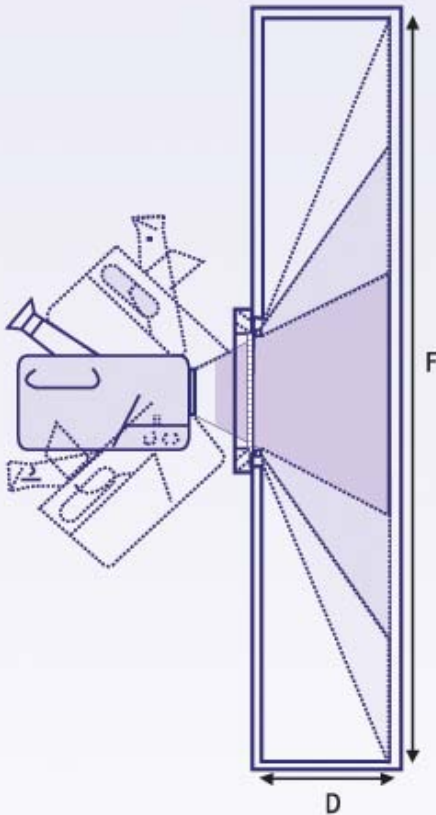


THE INFRARED SIGHTGLASS PEOPLE

FIELD OF VIEW

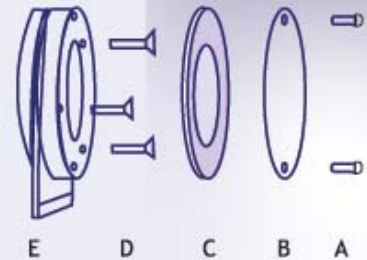
Equal to six times the cabinet depth (F=Dx6)

Section through control cabinet Hawk I.R. shown open.



EXPLODED VIEWS

- A Security Screws
- B Aluminium Cover
- C Front Gasket
- D Fixing Screws
- E Complete Sightglass Housing



PRODUCT SERIAL CODE

Format: HWK=BBB=C=D=E
E.g. HWK-075-C-L (A 3" C-Type Unit with LSF Gaskets)

HWK-Prefix denoting Hawk I.R. product (generic)

BBB (SIZE)

050=<2" Crystal Insert size
075=<3" Crystal Insert Size
100=<4" Crystal Insert Size

C (VIEWING MATERIAL)

C=C-Type I.R. Material

D (GASKET MATERIAL)

L=LSF (Low Smoke & Fume)

E (KWI-KTWIST OPTION)

KT=Kwik-Twist (Magnetic cover)

LENS

C Type

Solubility
Thickness
Pressure withstand
Melting Temperature
I.R. Transmission
Wavelength

-CLIRVU® Coated Crystal (Totally insoluble)
-0.081"
-Upto 90psi
-1350C/2474F
-Upto 96%
-0.13 to 10.0 micrometers

Other crystal types available

FRAME

Aluminum to BS6082-T6
Anodised to DEF STAN 03-25/3 aa 8-13

GASKETS (Other materials available)

LSF -94°F to +482°F

INGRESS PROTECTION

IP 65 CERTIFIED BSEN60529
UL Recognised for NEMA 3/12 equipment

FIXING SCREWS

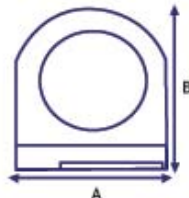
Stainless Steel

PROTECTIVE COVER

Aluminum

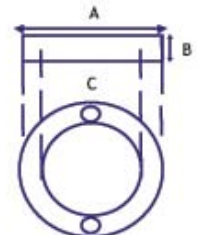
FOOTPRINT DIMENSIONS

Type	A	B
050	2.6"	3.5"
075	4"	4.9"
100	4.9"	6"



ACTUAL DIMENSIONS

Type	A	B	C
050	2.5"	0.7"	1.7"
075	4"	0.7"	2.7"
100	4.9"	0.75"	3.5"



HAWK I.R. International Ltd.
US Contact Tel: 1-877-4-HAWKIR
UK Contact Tel: +44(0)1642 497000
Email: sales@hawk-ir.com
Web: www.hawk-ir.com

US Toll free number 1-877-4-HAWKIR



Hawk IR Sightglasses are manufactured by Cockburn Thermal Imaging Ltd an ISO9000 registered infrared window manufacturer.

SIGHTGLASS DATASHEET C-RANGE