



ENCLOSURES HK/2HK SERIES

INSTRUMENT / DEVICE ENCLOSURES



HK



2HK



HKB
Empty Enclosure

NEC / CEC Certifications

- Class I, Div. 1 & 2, Groups A, B, C, & D
- Class I, Zone 1, AEx db IIC
- Class II, Div. 1 & 2, Groups E, F, & G
- Class III
- Type 3, 4, 4X
- Ta = -60°C to +70°C (UL & CSA)
- Ta = -20°C to +40°C (FM)
- Files E83969 / E150827
- File LR11716 - 1750685
- File 1W1R4-RE



ATEX / IEC Ex Certificate

- II 2 G D CE 2813
- Ex db IIC Gb
- Ex tb IIIC Db IP66
- Ta = -60°C to +70°C
- DEMKO 01ATEX 15742U
- IECEX UL 14.0071U
- Gas Group "A" certified by FM only, add suffix "-GA". Seal within 6"
- For Group BCD seal within 18" of the box.
- For Ex db IIC seal adjacent to the box.

FEATURES-SPECIFICATIONS

Features

- Explosion/flame proof, dust/ignition proof, weather/hose-down proof and tamper resistant
- Boxes and covers are cast from a copper-free aluminum alloy
- Cast stainless steel box, flat, and lens cover available (HKSB-BC + HKSB-GLC)
- Neoprene o-ring for water resistance in Type 3, 4 / IP66 conditions
- Three box styles available: HKB, HKBD single cover design and the 2HKB double cover design. 2HKB enclosure has two separate chambers for isolation between power and instrument.
- HKB, HKBD box has offset feed-thru conduit openings (3/4" NPT) for maximum use of interior volume
- 2HKB box has offset feed-thru conduit openings (3/4" NPT) on power side and one (3/4" NPT) on bottom instrument side
- Interior mounting pad (HKB, HKBD) in an "X" configuration for flexibility of adapting to OEM bolt circle
- Location of the internal ground screw boss does not interfere with the mounting of the instrument or device

- Eight different cover styles are available: standard flat cover, standard glass lens cover, 1" dome cover, 1" dome lens cover, 2" dome cover, 2" glass lens dome cover, 4" dome cover, and 4" dome lens cover.
- All covers have shrouded tamper-resistant set screws as standard which can help to combat excessive vibration in rugged settings
- Lugs on cover permit easy removal and tightening

Materials

- Boxes and covers – copper-free aluminum (less than 1/10 of 1%)
- HKSB series is 316 cast stainless steel

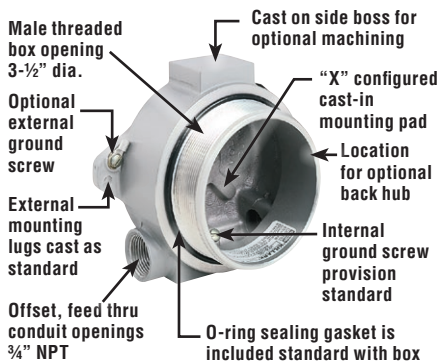
- O-ring sealing gasket – Neoprene rubber
- Ground screws – zinc plated steel with green dye (stainless steel on HKSB)
- Allen head cover screw – cadmium plated steel (stainless steel on HKSB)
- Glass lens – 3/8" thick tempered glass
- Finish – silver powder epoxy paint, electrostatically applied
- Special colors available in quantity

2HKB Series Boxes

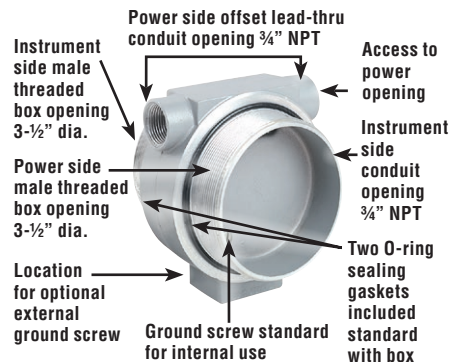
- The wall that separates the instrument side from the power side can be machined for slots or holes up to a maximum of two slots 5/16" by 1-1/2".

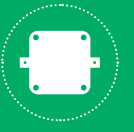
Submit drawings for machining requirements to Killark.

HK Design Features



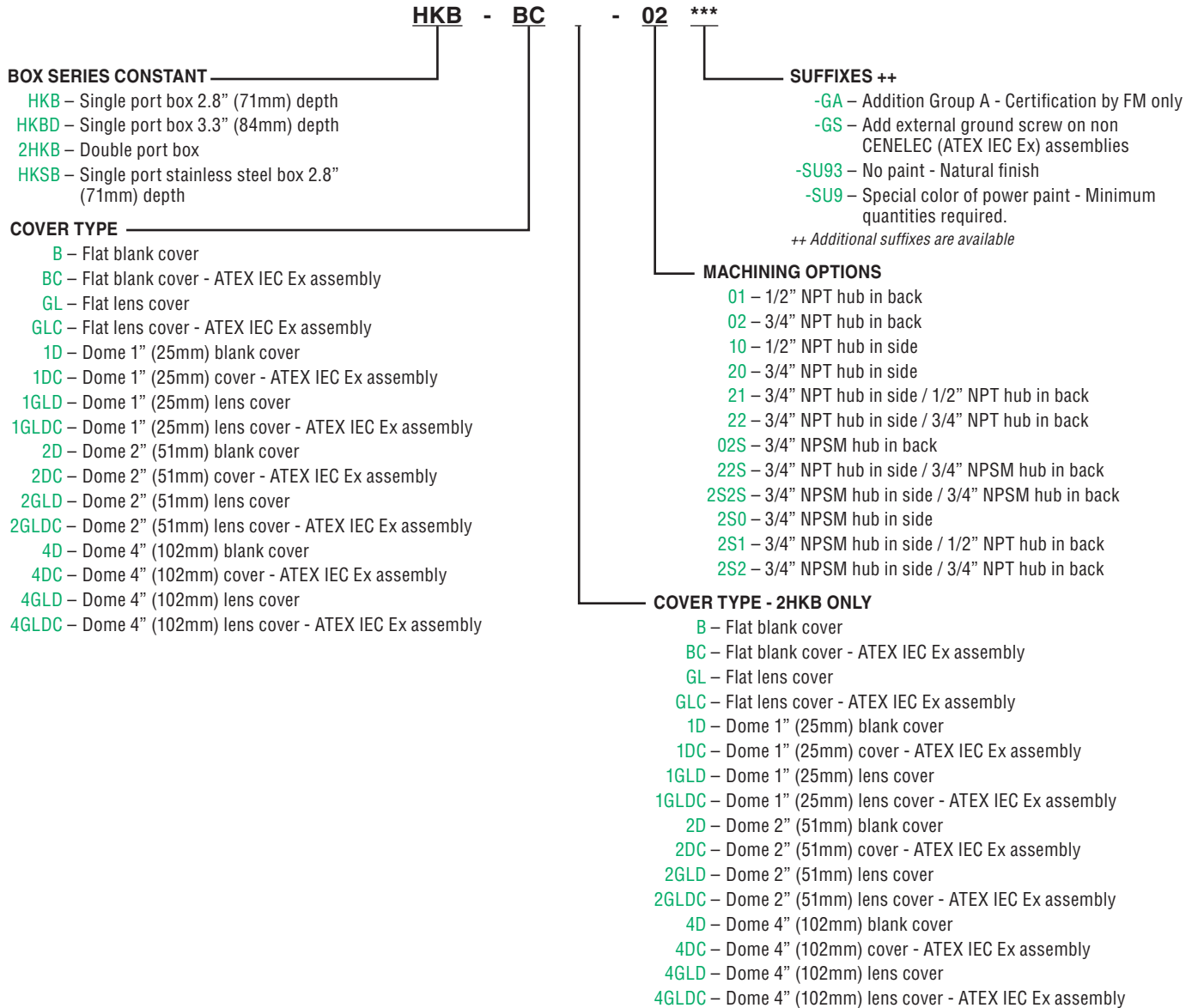
2HK Design Features

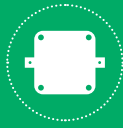




INSTRUMENT / DEVICE ENCLOSURES

CATALOG LOGIC





ENCLOSURES HK/2HK SERIES

INSTRUMENT / DEVICE ENCLOSURES BOXES



FLAT AND 1" DOME COVERS



2" AND 4" DOME COVERS



FEATURES

2HKB Series Boxes

The wall that separates the instrument side from the power side can be machined for slots or holes up to a maximum of two slots $\frac{5}{16}$ " by $1\frac{1}{2}$ ". Submit drawings for machining requirements to Killark.

Factory Modifications

Approvals allow for factory or field modifications on HKB box for drilling and tapping conduit openings on side or back of enclosure without voiding UL-CSA-FM approvals. Internal mounting pad holes on "X" configured boss can be factory added by drilling from inside of box without piercing the bottom of enclosures. Assemblies with ATEX/IEC Ex approvals must be factory modified in order to comply with certifications.

Note: The HKB boxes and covers are not interchangeable with the HKBX series enclosures.

HK ASSEMBLED PARTS

CATALOG NUMBER (CAST ALUMINUM)					
HKB BOX AND COVERS		HKB BOX & COVERS	2HKB BOX W/ BLANK COVER ON POWER SIDE & OPTIONAL COVER ON INSTRUMENT SIDE		COVER TYPE
UL-CSA-FM APPROVED	GENELEC UL-CSA-FM APPROVED	UL-CSA-FM APPROVED	(UL-CSA-FM)	GENELEC UL-CSA-FM APPROVED	
HKB-B	HKB-BC	HKBD-B	2HKB-B-B	2HKB-BC-BC	Standard flat
HKB-2D	HKB-2DC	HKBD-2D	2HKB-B-2D	2HKB-BC-2DC	2" Dome
HKB-4D	HKB-4DC	HKBD-4D	2HKB-B-4D	2HKB-BC-4DC	4" Dome
HKB-GL	HKB-GLC	HKBD-GL	2HKB-B-GL	2HKB-BC-GLC	Lens
HKB-2GLD	HKB-2GLDC	HKBD-2GLD	2HKB-B-2GLD	2HKB-BC-2GLDC	2" Dome lens

HK COMPONENT PARTS

CATALOG NUMBER	DESCRIPTION
HKB	Single cover box only
HKBD	Single deep box only
2HKB	Double cover Box only
HFC	Flat cover
HKGL	Lens cover
HK1D	1" Dome cover
HK1GLD	1" Dome lens cover
HK2D	2" Dome cover
HK4D	4" Dome cover
HK2GLD	2" Dome lens cover
HK4GLD	4" Dome lens cover
15722LABB	Rep. "O" Ring Gasket

HKSB STAINLESS STEEL ASSEMBLED PARTS

HKSB BOX AND COVERS GENELEC UL-CSA-FM APPROVED	COVER TYPE
HKSB-BC	Standard flat
HKSB-GLC	Lens