



CONTROLS HKH SERIES

NON-METALLIC DIN RAIL MOUNT



NON-METALLIC PANEL MOUNT





NON-METALLIC CONFIGURATIONS

HAZCON®



ATEX/IECEx Certified

CE 0518 Ex II 2 G Ex db eb IIC T6...T4 Gb
0518 Ex II 2 D Ex tb IIIC T6...T4 Db IP66

DEMKO 15 ATEX 1405X

Ex db eb IIC T6...T4 Gb

Ex tb IIIC T85°C...T135°C Db IP66

IECEx UL 15.0054X

Ambient Range: -50°C < Ta < 60°C

cULus Certified

Class I, Zone 1, AEx db eb IIC T6...T4 Gb / Ex db eb IIC T6...T4 Gb X

Zone 21, AEx tb IIIC T85°C...T135°C Db IP66 / Ex tb IIIC T85°C...T135°C Db IP66 X

Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G (Canada Only)

Class II, Division 2, Groups E, F, G Class III

UL50, 50E, 508, UL60079-0, -1, -7, -31

Type 3, 4, 4X, 12, 13

Ambient Range: -50°C < Ta < 60°C

Complies with RoHS, WEEE, ATEX and Low Voltage directives.

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FEATURES-SPECIFICATIONS

Features

- Size 1 Control Stations available as 1A, 1B, and 1C as standard catalog number offerings for 1, 2, and 3 device openings and will accept 2-M20 entries in either end. Ammeters available in 1B and 1C. Size 2 Enclosures available as 2A and 2C for 2, 4, and 6 device entries in cover with ability to accept 2-M25 entries in either end.
- Operating Temperature of -50°C to +60°C
- Contacts & Pilot lights can be mounted inside enclosure on Din Rail or Panel Mount in cover to the actuator.
- Accessories available for Lockout/Tag Out functions made in 316 stainless steel.

Materials

- Impact Resistant Non-Metallic PA6 Glass Reinforced Antistatic Material with f1 UV protection (protected against the most severe sunlight) and with a Flame Retardant rating of V-0.
- Silicone gasketing on all enclosures and operators throughout.
- Brass gland plates available for metric size applications.

Electrical Ratings

- Explosion Protected Contact Blocks, available in Normally Open (NO) or Normally Closed (NC) configurations, are rated for up to 690VAC, up to 20A Switching duty, and up to 1HP.
- Explosion Protected Pilot Lights rated for 12-250V AC/DC for UL applications and 12-254 V AC/DC for IEC applications.



CONTROLS HKH SERIES

STANDARD SIZE 1A NON-METALLIC CONFIGURATIONS



Momentary
Push Button



Momentary & Maintained
Mushroom P.B.



Pilot Light

The control stations on this page are the most commonly used configurations of pilot lights and push buttons.
One entry listed is located at bottom.

HKH MOMENTARY SINGLE PUSH BUTTON							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1AND2P11K8	HKH1ANP2P11K8	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Green: Start/(I)/Blank Red: Stop/(O)/Blank Black: Blank	None
HKH1ANDAP11	HKH1ANPAP11	M20 Clearance hole					
supplied with 7 colored and marked discs – see button color							

HKH MOMENTARY SINGLE PUSH BUTTON - MUSHROOM							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1AND2M11BK8 HKH1AND2M21AK8 HKH1AND2M310K8	HKH1ANP2M11BK8 HKH1ANP2M21AK8 HKH1ANP2M310K8	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Red Green Black	Stop Start Blank
HKH1ANDAM11B HKH1ANDAM21A HKH1ANDAM310	HKH1ANPAM11B HKH1ANPAM21A HKH1ANPAM310	M20 Clearance hole				Red Green Black	Stop Start Blank

HKH MAINTAINED SINGLE PUSH PULL BUTTON - MUSHROOM							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1AND2M41BK8 HKH1AND2M51AK8 HKH1AND2M610K8	HKH1ANP2M41BK8 HKH1ANP2M51AK8 HKH1ANP2M610K8	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Red Green Black	Stop Start Blank
HKH1ANDAM41B HKH1ANDAM51A HKH1ANDAM610	HKH1ANPAM41B HKH1ANPAM51A HKH1ANPAM610	M20 Clearance hole				Red Green Black	Stop Start Blank

HKH SINGLE PILOT LIGHT								
3/4" NPT SS HUB SUPPLIED		M20 CLEARANCE HOLE SUPPLIED		CONTACT ARRANGEMENT		LAMP VOLTAGE	COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT	DIN RAIL MOUNT	PANEL MOUNT	IEC	NEMA			
HKH1AND2LRL0K8 HKH1AND2LGL0K8 HKH1AND2LAL0K8 HKH1AND2LCL0K8 HKH1AND2LBL0K8	HKH1ANP2LRL0K8 HKH1ANP2LGL0K8 HKH1ANP2LAL0K8 HKH1ANP2LCL0K8 HKH1ANP2LBL0K8	HKH1ANDALRL0 HKH1ANDALGL0 HKH1ANDALAL0 HKH1ANDALCL0 HKH1ANDALBL0	HKH1ANPALRL0 HKH1ANPALGL0 HKH1ANPALAL0 HKH1ANPALCL0 HKH1ANPALBL0			12V-254V AC/DC IEC Ex 12V-250V AC/DC UL	Red LED Green LED Amber LED Clear LED Blue LED	Blank



STANDARD SIZE 1A NON-METALLIC CONFIGURATIONS



**Maintained
Mushroom P.B.
Pull Release**



**Maintained
Mushroom P.B.
Twist Release**



**Double
Momentary
Push Button**

The control stations on this page are the most commonly used configurations of mushroom push buttons and double push buttons. One entry listed is located at bottom.

HKH MAINTAINED MUSHROOM STAY PUT E-STOP							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1AND2M41EK8 (Pull Release) HKH1AND2M71EK8 (Twist Release)	HKH1ANP2M41EK8 (Pull Release) HKH1ANP2M71EK8 (Twist Release)	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Red	Emergency Stop
HKH1ANDAM41E (Pull Release) HKH1ANDAM71E (Twist Release)	HKH1ANPAM41E (Pull Release) HKH1ANPAM71E (Twist Release)	M20 Clearance hole					

HKH DOUBLE MOMENTARY PUSH BUTTON, 1 N.O. START/1 N.C. STOP							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1AND2P21K8	HKH1ANP2P21K8	3/4" NPT SS HUB		START STOP 	1 N.O. / 1 N.C.	Green: Start/(I)/Blank Red: Stop/(O)/Blank Black: Blank	—
HKH1ANDAP21	HKH1ANPAP21	M20 Clearance hole					



CONTROLS HKH SERIES

STANDARD SIZE 1A NON-METALLIC CONFIGURATIONS



**2 Position
Selector Switch Maint. & Mom.**



**3 Position
Selector Switch Maint. & Mom.**

The control stations on this page are the most commonly used configurations of rotary selector switches. One entry listed is located at bottom.

HKH MAINTAINED 2-POSITION SELECTOR SWITCH						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1AND2S11SK8	HKH1ANP2S11SK8	3/4" NPT SS HUB			1 N.C. / 1 N.O.	Off-On
HKH1ANDAS11S	HKH1ANPAS11S	M20 Clearance hole				

HKH 2-POSITION SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1AND2S210K8	HKH1ANP2S210K8	3/4" NPT SS HUB			1 N.C. / 1 N.O.	Blank
HKH1ANDAS210	HKH1ANPAS210	M20 Clearance hole				

HKH MAINTAINED 3-POSITION SELECTOR SWITCH INDEPENDENT CAM						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1AND2S349K8	HKH1ANP2S349K8	3/4" NPT SS HUB			2 N.O.	Hand-Off-Auto
HKH1ANDAS349	HKH1ANPAS349	M20 Clearance hole				

HKH 3-POSITION SELECTOR SWITCH SPRING RETURN, MOM. LEFT & RIGHT, MAINT. CENTER						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1AND2S440K8	HKH1ANP2S440K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1ANDAS440	HKH1ANPAS440	M20 Clearance hole				

HKH 3-POSITION SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. CENTER & LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1AND2S540K8	HKH1ANP2S540K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1ANDAS540	HKH1ANPAS540	M20 Clearance hole				

HKH 3-POSITION SELECTOR SWITCH SPRING RETURN, MOM. LEFT, MAINT. CENTER & RIGHT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1AND2S640K8	HKH1ANP2S640K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1ANDAS640	HKH1ANPAS640	M20 Clearance hole				



STANDARD SIZE 1A NON-METALLIC CONFIGURATIONS



2 Position
Key Selector SWT Maint. & Mom.



3 Position
Key Selector SWT Maint. & Mom.

The control stations on this page are the most commonly used configurations of keyed rotary selector switches. One entry hole listed is located at bottom.

HKH MAINTAINED 2-POSITION KEYED SELECTOR SWITCH						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1AND2K11SK8	HKH1ANP2K11SK8	3/4" NPT SS HUB		OFF 	1 N.C. / 1 N.O.	Off-On
HKH1ANDAK11S	HKH1ANPAK11S	M20 Clearance hole		ON 		
HKH 2-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1AND2K210K8	HKH1ANP2K210K8	3/4" NPT SS HUB			1 N.C. / 1 N.O.	Blank
HKH1ANDAK210	HKH1ANPAK210	M20 Clearance hole				
HKH MAINTAINED 3-POSITION KEYED SELECTOR SWITCH INDEPENDENT CAM						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1AND2K349K8	HKH1ANP2K349K8	3/4" NPT SS HUB		HAND OFF AUTO 	2 N.O.	Hand-Off-Auto
HKH1ANDAK349	HKH1ANPAK349	M20 Clearance hole				
HKH 3-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. LEFT & RIGHT, MAINT. CENTER						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1AND2K440K8	HKH1ANP2K440K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1ANDAK440	HKH1ANPAK440	M20 Clearance hole				
HKH 3-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. CENTER & LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1AND2K540K8	HKH1ANP2K540K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1ANDAK540	HKH1ANPAK540	M20 Clearance hole				
HKH 3-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. LEFT, MAINT. CENTER & RIGHT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1AND2K640K8	HKH1ANP2K640K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1ANDAK640	HKH1ANPAK640	M20 Clearance hole				



CONTROLS HKH SERIES

STANDARD SIZE 1B NON-METALLIC CONFIGURATIONS



Momentary
Push Button

Momentary
Mushroom P.B.

Momentary
Start-Stop
Push Buttons

Pilot Light

The control stations on this page are the most commonly used configurations, including combinations of pilot lights and push buttons. One entry listed is located at bottom.

HKH MOMENTARY SINGLE PUSH BUTTON							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1BND2P11K8	HKH1BNP2P11K8	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Green: Start/(I)/Blank Red: Stop/(O)/Blank Black: Blank	None
HKH1BNDAP11	HKH1BNPAP11	M20 Clearance hole					
supplied with 7 colored and marked discs – see button color							

HKH MOMENTARY SINGLE PUSH BUTTON - MUSHROOM							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1BND2M11BK8 HKH1BND2M21AK8 HKH1BND2M31OK8	HKH1BNP2M11BK8 HKH1BNP2M21AK8 HKH1BNP2M31OK8	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Red Green Black	Stop Start Blank
HKH1BNDAM11B HKH1BNDAM21A HKH1BNDAM31O	HKH1BNPAM11B HKH1BNPAM21A HKH1BNPAM31O	M20 Clearance hole				Red Green Black	Stop Start Blank

HKH DOUBLE MOMENTARY START-STOP PUSH BUTTONS							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1BND2P11P11K8	HKH1BNP2P11P11K8	3/4" NPT SS HUB			1 N.O. / 1 N.C. 1 N.O. / 1 N.C.	Green, Start, (I) Red, Stop, (O)	—
HKH1BNDAP11P11	HKH1BNPAP11P11	M20 Clearance hole					

HKH SINGLE PILOT LIGHT								
3/4" NPT SS HUB SUPPLIED		M20 CLEARANCE HOLE SUPPLIED		CONTACT ARRANGEMENT		LAMP VOLTAGE	COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT	DIN RAIL MOUNT	PANEL MOUNT	IEC	NEMA			
HKH1BND2LRLOK8 HKH1BND2LGLOK8 HKH1BND2LALOK8 HKH1BND2LCLK08 HKH1BND2LBL0K8	HKH1BNP2LRLOK8 HKH1BNP2LGLOK8 HKH1BNP2LALOK8 HKH1BNP2LCLK08 HKH1BNP2LBL0K8	HKH1BNDALRLO HKH1BNDALGLO HKH1BNDALALO HKH1BNDALCLO HKH1BNDALBLO	HKH1BNPALRLO HKH1BNPALGLO HKH1BNPALALO HKH1BNPALCLO HKH1BNPALBLO			12V-254V AC/DC IEC Ex 12V-250V AC/DC UL	Red LED Green LED Amber LED Clear LED Blue LED	Blank



STANDARD SIZE 1B NON-METALLIC CONFIGURATIONS



**Maintained
Mushroom P.B.
Pull Release**



**Maintained
Mushroom P.B.
Twist Release**



**Double
Pilot Light**



**Pilot Light &
Double Momentary
Push Button**

The control stations on this page are the most commonly used configurations, including combinations of pilot lights and push buttons. One entry listed is located at bottom.

HKH MAINTAINED MUSHROOM STAY PUT E-STOP							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1BND2M41EK8 (Pull Release) HKH1BND2M71EK8 (Twist Release)	HKH1BNP2M41EK8 (Pull Release) HKH1BNP2M71EK8 (Twist Release)	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Red	Emergency Stop
HKH1BNDAM41E (Pull Release) HKH1BNDAM71E (Twist Release)	HKH1BNPAM41E (Pull Release) HKH1BNPAM71E (Twist Release)	M20 Clearance hole					

HKH MAINTAINED SINGLE PUSH PULL BUTTON - MUSHROOM							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1BND2M41BK8 HKH1BND2M51AK8 HKH1BND2M61OK8	HKH1BNP2M41BK8 HKH1BNP2M51AK8 HKH1BNP2M61OK8	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Red Green Black	Stop Start Blank
HKH1BNDAM41B HKH1BNDAM51A HKH1BNDAM610	HKH1BNPAM41B HKH1BNPAM51A HKH1BNPAM610	M20 Clearance hole				Red Green Black	Stop Start Blank

HKH DOUBLE PILOT LIGHT								
3/4" NPT SS HUB SUPPLIED		M20 CLEARANCE HOLE SUPPLIED		CONTACT ARRANGEMENT		LAMP VOLTAGE	COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT	DIN RAIL MOUNT	PANEL MOUNT	IEC	NEMA			
HKH1BND2LRL0LGL0K8 HKH1BND2LRL0LRL0K8 HKH1BND2LGL0LGL0K8	HKH1BNP2LRL0LGL0K8 HKH1BNP2LRL0LRL0K8 HKH1BNP2LGL0LGL0K8	HKH1BNDALRL0LGL0 HKH1BNDALRL0LRL0 HKH1BNDALGL0LGL0	HKH1BNPALRL0LGL0 HKH1BNPALRL0LRL0 HKH1BNPALGL0LGL0			12V-254V AC/DC IEC Ex 12V-250V AC/DC UL	Red/Green Red/Red Green/Green	Blank

HKH DOUBLE MOMENTARY PUSH BUTTON & PILOT LIGHT								
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		LAMP VOLTAGE	CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA				
HKH1BND2LRL0P21K8	HKH1BNP2LRL0P21K8	3/4" NPT SS HUB			12V-254V, AC/DC	1 N.O. 1 N.C.	Green, Start, (I)	—
HKH1BNDALRL0P21	HKH1BNPALRL0P21	M20 Clearance hole					Red, Stop, (O)	—



CONTROLS HKH SERIES

STANDARD SIZE 1B NON-METALLIC CONFIGURATIONS



**2 Position
Selector Switch
Maint. & Mom.**



**3 Position
Selector Switch
Maint. & Mom.**

The control stations on this page are the most commonly used configurations of rotary selector switches.
One entry listed is located at bottom.

HKH MAINTAINED 2-POSITION SELECTOR SWITCH						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BND2S11SK8	HKH1BNP2S11SK8	3/4" NPT SS HUB			1 N.C. / 1 N.O.	Off-On
HKH1BNDAS11S	HKH1BNPAS11S	M20 Clearance hole				
HKH 2-POSITION SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BND2S210K8	HKH1BNP2S210K8	3/4" NPT SS HUB			1 N.C. / 1 N.O.	Blank
HKH1BNDAS210	HKH1BNPAS210	M20 Clearance hole				
HKH MAINTAINED 3-POSITION SELECTOR SWITCH INDEPENDENT CAM						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BND2S349K8	HKH1BNP2S349K8	3/4" NPT SS HUB			2 N.O.	Hand-Off-Auto
HKH1BNDAS349	HKH1BNPAS349	M20 Clearance hole				
HKH 3-POSITION SELECTOR SWITCH SPRING RETURN, MOM. LEFT & RIGHT, MAINT. CENTER						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BND2S440K8	HKH1BNP2S440K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1BNDAS440	HKH1BNPAS440	M20 Clearance hole				
HKH 3-POSITION SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. CENTER & LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BND2S540K8	HKH1BNP2S540K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1BNDAS540	HKH1BNPAS540	M20 Clearance hole				
HKH 3-POSITION SELECTOR SWITCH SPRING RETURN, MOM. LEFT, MAINT. CENTER & RIGHT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BND2S640K8	HKH1BNP2S640K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1BNDAS640	HKH1BNPAS640	M20 Clearance hole				



STANDARD SIZE 1B NON-METALLIC CONFIGURATIONS



**2 Position
Key Selector SWT
Maint. & Mom.**



**3 Position
Key Selector SWT
Maint. & Mom.**

The control stations on this page are the most commonly used configurations of keyed rotary selector switches. One entry hole listed is located at bottom.

HKH MAINTAINED 2-POSITION KEYED SELECTOR SWITCH						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BND2K11SK8	HKH1BNP2K11SK8	3/4" NPT SS HUB			1 N.C. / 1 N.O.	Off-On
HKH1BNDAK11S	HKH1BNPAK11S	M20 Clearance hole				
HKH 2-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BND2K210K8	HKH1BNP2K210K8	3/4" NPT SS HUB			1 N.C. / 1 N.O.	Blank
HKH1BNDAK210	HKH1BNPAK210	M20 Clearance hole				
HKH MAINTAINED 3-POSITION KEYED SELECTOR SWITCH INDEPENDENT CAM						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BND2K349K8	HKH1BNP2K349K8	3/4" NPT SS HUB			2 N.O.	Hand-Off-Auto
HKH1BNDAK349	HKH1BNPAK349	M20 Clearance hole				
HKH 3-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. LEFT & RIGHT, MAINT. CENTER						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BND2K440K8	HKH1BNP2K440K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1BNDAK440	HKH1BNPAK440	M20 Clearance hole				
HKH 3-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. CENTER & LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BND2K540K8	HKH1BNP2K540K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1BNDAK540	HKH1BNPAK540	M20 Clearance hole				
HKH 3-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. LEFT, MAINT. CENTER & RIGHT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BND2K640K8	HKH1BNP2K640K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1BNDAK640	HKH1BNPAK640	M20 Clearance hole				



CONTROLS HKH SERIES

STANDARD SIZE 1C NON-METALLIC CONFIGURATIONS



The control stations on this page are the most commonly used configurations, including combinations of pilot lights, push buttons, rotary selector switches, and ammeters.

One entry hole listed is located at bottom.

HKH RED PILOT LIGHT & TWO MOMENTARY PUSH BUTTONS								
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		LAMP VOLTAGE	CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA				
HKHMOD000001	HKHMOD000002	3/4" NPT SS HUB			12V-254V AC/DC IEC Ex	1 N.C.	Red Stop (I)	Blank
HKHMOD000003	HKHMOD000004	M20 Clearance hole			12V-250V AC/DC UL	1 N.O.	Green Start (O)	

HKH THREE MOMENTARY PUSH BUTTONS							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKHMOD000005	HKHMOD000006	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Green:	Blank
HKHMOD000007	HKHMOD000008	M20 Clearance hole			1 N.O. / 1 N.C.	Start/(I)/Blank	
					1 N.O. / 1 N.C.	Red:	
						Black: Blank	

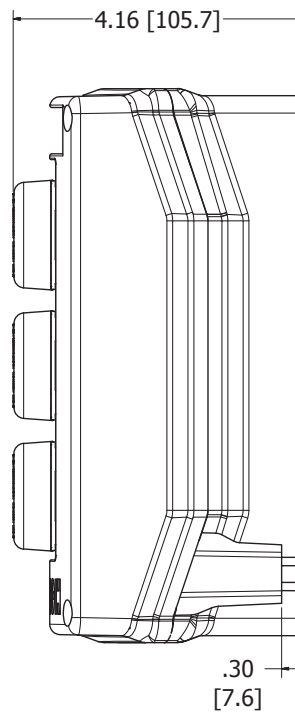
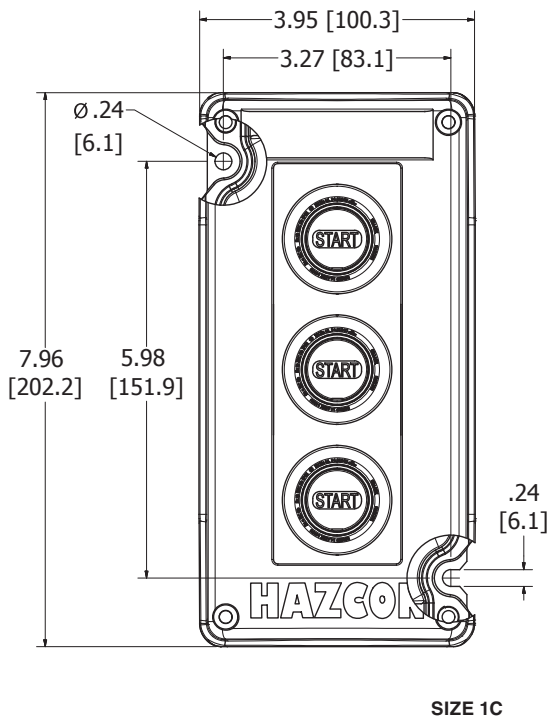
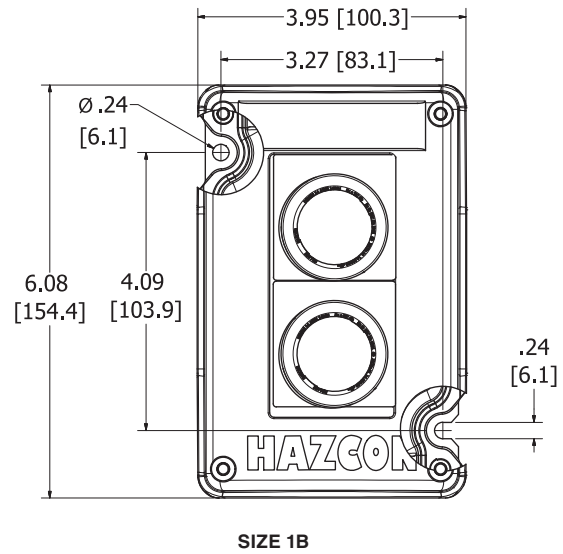
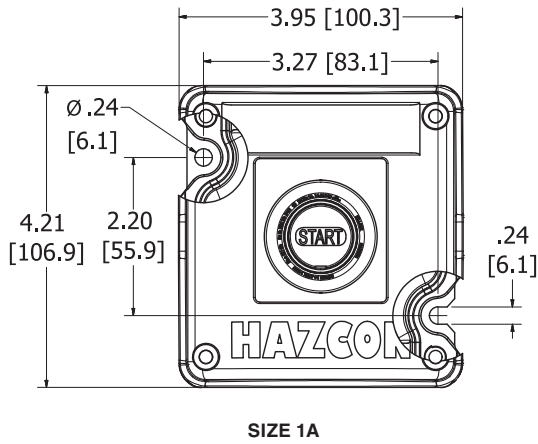
HKH RED PILOT LIGHT, MUSHROOM MAINTAINED P.B., DOUBLE MOMENTARY P.B.									
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		LAMP VOLTAGE	BUTTON COLOR	LEGEND PLATE MARKING		
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA	CONTACT BLOCKS				
HKHMOD000009 (Pull Release)	HKHMOD000010 (Pull Release)	3/4" NPT SS HUB			12V-254V AC/DC IEC Ex	Red Green: Start/(I)/Blank Red: Stop/(O)/Blank	Blank Emergency Stop		
HKHMOD000011 (Twist Release)	HKHMOD000012 (Twist Release)				12V-250V AC/DC UL				
HKHMOD000013 (Pull Release)	HKHMOD000014 (Pull Release)	M20 Clearance hole							1 N.O. / 1 N.C. 1 N.O. / 1 N.C.
HKHMOD000015 (Twist Release)	HKHMOD000016 (Twist Release)								

HKH 72MM AMMETER & 2 POSITION MAINT. SELECTOR SWITCH							
CATALOG NUMBER①		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKHMOD000017	HKHMOD000018	3/4" NPT SS HUB		1 N.C. / 1 N.O.	—	Blank	
HKHMOD000019	HKHMOD000020	M20 Clearance hole					

^① Consult Factory for other scale ranges and for Voltmeter options.



DIMENSIONAL DATA - SIZE 1 NON-METALLIC ENCLOSURES



CLEARANCE HOLE FOR NPT FITTING	LOGIC CODE
1/2" Top Feed	7
1/2" Bottom Feed	1
1/2" Feed Through	4
3/4" Top Feed	8
3/4" Bottom Feed	2
3/4" Feed Through	5
1" Top Feed	9
1" Bottom Feed	3
1" Feed Through	6
CLEARANCE HOLE FOR METRIC FITTING	LOGIC CODE
M20 Top Feed	C
M20 Bottom Feed	A
M20 Feed Through	B
2 x M20 Top Feed	F
2 x M20 Bottom Feed	D
M25 Top Feed	J
M25 Bottom Feed	G
M25 Feed Through	H



CONTROLS HKH SERIES

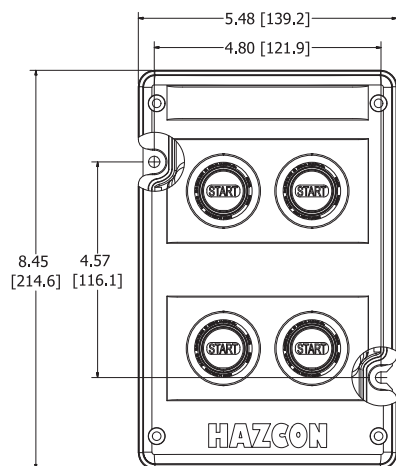
SIZE 2A & 2C NON-METALLIC



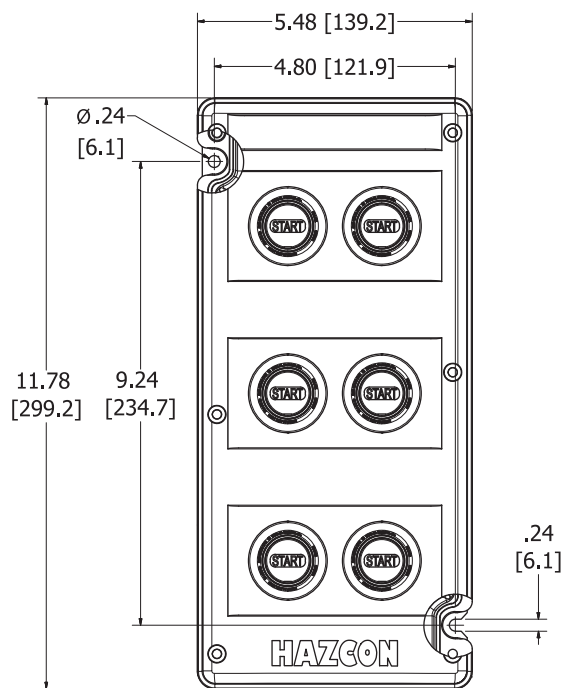
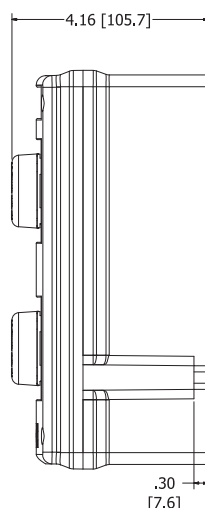
Size 2A and 2C control stations can be factory ordered to include combinations of pilot lights, push buttons, rotary selector switches, ammeters, and terminal blocks.

Entry holes can be located on all sides.

Double Push button, HKHDBLPBMMGR, not available on Size 2A - 4 Device or 2C - 6 Device covers



Size 2A



Size 2C
(Depth same as 2A)

CLEARANCE HOLE FOR NPT FITTING	LOGIC CODE
1/2" Top Feed	7
1/2" Bottom Feed	1
1/2" Feed Through	4
3/4" Top Feed	8
3/4" Bottom Feed	2
3/4" Feed Through	5

CLEARANCE HOLE FOR METRIC FITTING	LOGIC CODE
2 x M20 Top Feed	F
2 x M20 Bottom Feed	D
2 x M20 Feed Through	E
2 x M25 Top Feed	M
2 x m25 Bottom Feed	K
2 x M25 Feed Through	L
M32 Top Feed	Q
M32 Bottom Feed	N
M32 Feed Through	P

DRILLED & TAPPED FOR METRIC FITTING	LOGIC CODE
2 x M20 Bottom Feed	T
2 x M25 Bottom Feed	U
M32 Bottom Feed	V



SIZE 1 NON-METALLIC 2 POLE ROCKER SWITCH

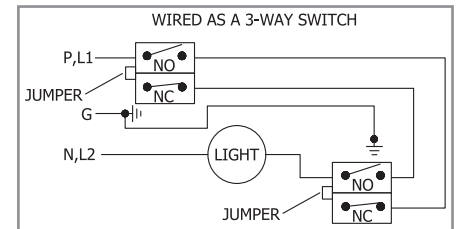


Size 1A

Rocker Switch with Double Pole, Single Throw action
Luminous fluorescent strip supplied for ease of locating.
One entry listed is located at bottom.

CONTACT BLOCK FEATURES:

- **UL ELECTRICAL RATING:** 690Vac, 20A, 50-60Hz, 60Vdc, 5A, 110Vdc, 2A, 255Vdc, 1.5A, 1/2 HP @120Vac, 1 HP@208/240/277Vac, A600/P600- Pilot Duty 350Vac-Tungsten Lamp.
- **WIRE ALLOWANCES:** WIRE RANGE with 1 or 2 WIRES: #22 to #12 AWG (SOL & STR) and #10 AWG (STR).
- **IEC ELECTRICAL RATINGS:** AC690V 16A AC-12, 50-60 Hz, AC230V 16A AC-15, 50-60Hz, DC60V 5A DC-12, DC125 1A DC-13.
- **WIRE ALLOWANCES:** WIRE RANGE with 1 or 2 WIRES: 0.5 to 2.5mm (SOL & STR) and 4.0mm² (STR)
- Silver Alloy contacts with Gold Flashing.



① Can be wired as 3 way switch when jumper installed.
See instruction sheet supplied with switch enclosure.

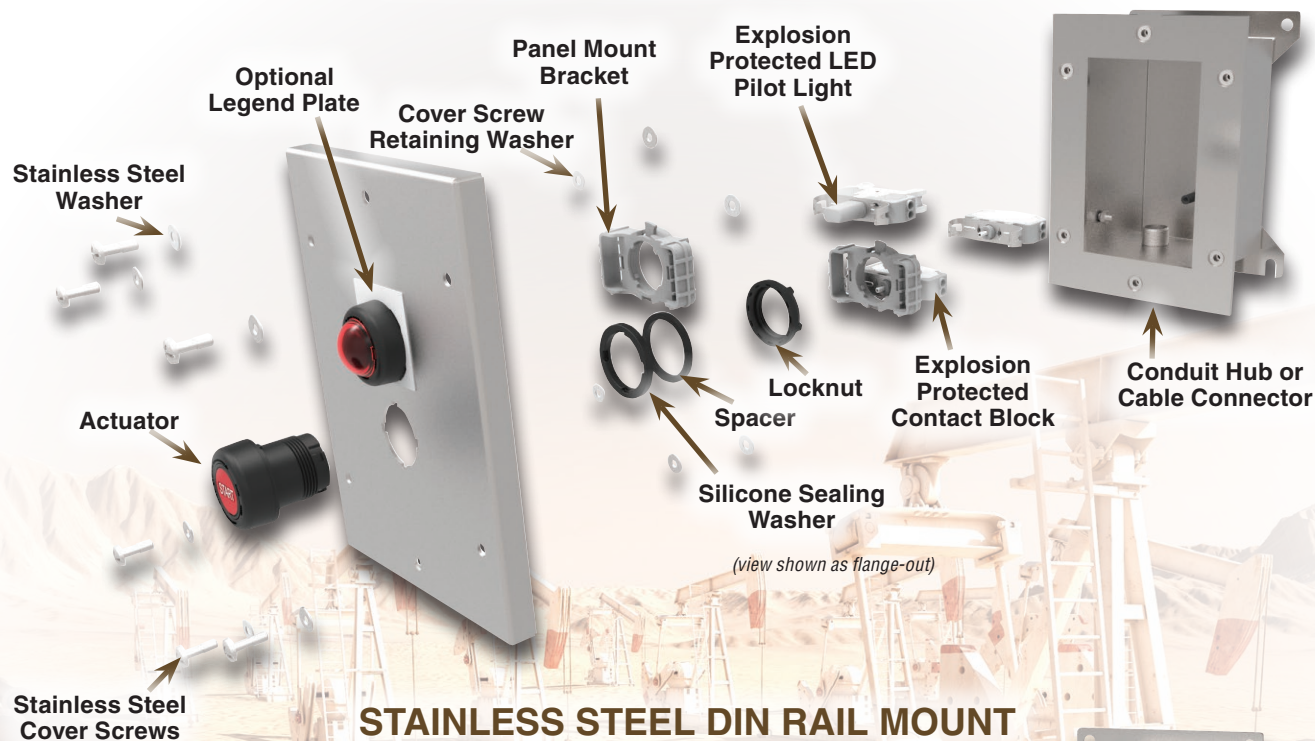
HKH ROCKER SWITCH MAINTAINED IN 2 POSITIONS				
CATALOG NUMBER	ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS
DIN RAIL MOUNT		IEC	NEMA	
HKH1AND2RS4K8	3/4" NPT SS HUB			2 N.O.
HKH1ANDARS4	M20 Clearance hole			
HKH1AND2RS1K8 ①	3/4" NPT SS HUB			1 N.C. / 1 N.O.
HKH1ANDARS1 ①	M20 Clearance hole			
HKH1BND2RS4K8	3/4" NPT SS HUB			2 N.O.
HKH1BNDARS4	M20 Clearance hole			
HKH1BND2RS1K8 ①	3/4" NPT SS HUB			1 N.C. / 1 N.O.
HKH1BNDARS1 ①	M20 Clearance hole			

Available in HKH Size 1c also as 1 or 2 Rocker Switches and 1 Rocker Switch with 1 other actuator top or bottom.



CONTROLS HKH SERIES

STAINLESS STEEL PANEL MOUNT



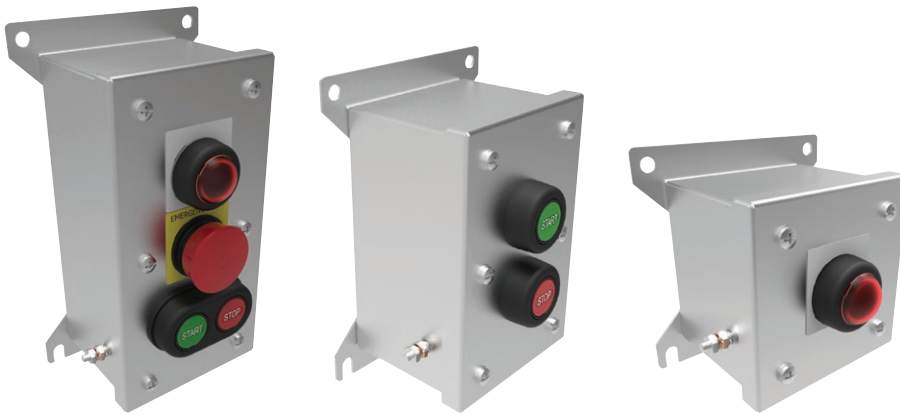
STAINLESS STEEL DIN RAIL MOUNT





STAINLESS STEEL CONFIGURATIONS

HAZCON®



ATEX/IECEX Certified

CE 0518 Ex II 2 G Ex db eb IIC T6...T4 Gb
0518 Ex II 2 D Ex tb IIIC T6...T4 Db
IP66

DEMKO 15 ATEX 1405X

Ex db eb IIC T6...T4 Gb

Ex tb IIIC T85°C...T135°C Db IP66

IECEX UL 15.0054X

Ambient Range: -50°C < Ta < 60°C

cULus Certified

Class I, Zone 1, AEx db eb IIC T6...T4 Gb /

Ex db eb IIC T6...T4 Gb X

Zone 21, AEx tb IIIC T85°C...T135°C Db IP66

/ Ex tb IIIC T85°C...T135°C Db IP66 X

Class I, Division 2, Groups A, B, C, D

Class II, Division 1, Groups E, F, G

(Canada Only)

Class II, Division 2, Groups E, F, G

Class III

UL50, 50E, 508, UL60079-0, -1, -7, -31

Type 3, 4, 4X, 12, 13

Ambient Range: -50°C < Ta < 60°C

Complies with RoHS, WEEE,
ATEX and Low Voltage directives.



STAINLESS ENCL. ONLY
CLASS II, DIV. 1, GRPS. E,F,G



IEC 16.0079 INMETRO



CSA 17.70126964

FEATURES-SPECIFICATIONS

Features

- Size 1 Control Stations available as 1A, 1B, and 1C as standard catalog number offerings for 1, 2 and 3 device openings and will accept 2-M20 entries in either end. Ammeters available in 1B and 1C. Size 2 Enclosures available as 2A and 2C for 2, 4, and 6 device entries in cover with ability to accept 2-M25 entries in either end.
- Operating Temperature of -50°C to +60°C
- Contacts and Pilot lights can be mounted inside enclosure on Din Rail or in cover to the actuator.
- Accessories available for Lockout/Tag Out functions made in 316 stainless steel.
- Enclosures available in standard Internal flange, and External flange when additional access is required.

Materials

- Enclosure = 316 Stainless Steel
- Hardware = Stainless Steel
- Silicone gasketing on all enclosures and operators throughout.

Electrical Ratings

- Explosion Protected Contact Blocks, available in Normally Open (NO) or Normally Closed (NC) configurations, are rated for up to 690VAC, up to 20A Switching duty, and up to 1HP.
- Explosion Protected Pilot Lights rated for 12-250V AC/DC for UL applications and 12-254 V AC/DC for IEC applications.

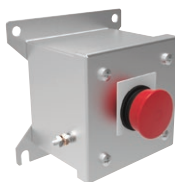


CONTROLS HKH SERIES

STANDARD SIZE 1A STAINLESS STEEL CONFIGURATIONS



**Momentary
Push Button**



**Momentary & Maintained
Mushroom P.B.**



Pilot Light

The control stations on this page are the most commonly used configurations of pilot lights and push buttons. One entry hole listed is located at bottom.

HKH MOMENTARY SINGLE PUSH BUTTON							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1ASD2P11K8	HKH1ASP2P11K8	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Green: Start/(I)/Blank Red: Stop/(O)/Blank Black: Blank	None
HKH1ASDAP11	HKH1ASPAP11	M20 Clearance hole					
supplied with 7 colored and marked discs – see button color							

HKH MOMENTARY SINGLE PUSH BUTTON - MUSHROOM							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1ASD2M11BK8 HKH1ASD2M21AK8 HKH1ASD2M310K8	HKH1ASP2M11BK8 HKH1ASP2M21AK8 HKH1ASP2M310K8	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Red Green Black	Stop Start Blank
HKH1ASDAM11B HKH1ASDAM21A HKH1ASDAM310	HKH1ASPAM11B HKH1ASPAM21A HKH1ASPAM310	M20 Clearance hole				Red Green Black	Stop Start Blank

HKH MAINTAINED SINGLE PUSH PULL BUTTON - MUSHROOM							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1ASD2M41BK8 HKH1ASD2M51AK8 HKH1ASD2M610K8	HKH1ASP2M41BK8 HKH1ASP2M51AK8 HKH1ASP2M610K8	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Red Green Black	Stop Start Blank
HKH1ASDAM41B HKH1ASDAM51A HKH1ASDAM610	HKH1ASPAM41B HKH1ASPAM51A HKH1ASPAM610	M20 Clearance hole				Red Green Black	Stop Start Blank

HKH SINGLE PILOT LIGHT								
3/4" NPT SS HUB SUPPLIED		M20 CLEARANCE HOLE SUPPLIED		CONTACT ARRANGEMENT		LAMP VOLTAGE	COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT	DIN RAIL MOUNT	PANEL MOUNT	IEC	NEMA			
HKH1ASD2LRL0K8 HKH1ASD2LGL0K8 HKH1ASD2LAL0K8 HKH1ASD2LCL0K8 HKH1ASD2LBL0K8	HKH1ASP2LRL0K8 HKH1ASP2LGL0K8 HKH1ASP2LAL0K8 HKH1ASP2LCL0K8 HKH1ASP2LBL0K8	HKH1ASDALRL0 HKH1ASDALGL0 HKH1ASDALAL0 HKH1ASDALCL0 HKH1ASDALBL0	HKH1ASPALRL0 HKH1ASPALGL0 HKH1ASPALAL0 HKH1ASPALCL0 HKH1ASPALBL0			12V-254V AC/DC IEC Ex 12V-250V AC/DC UL	Red LED Green LED Amber LED Clear LED Blue LED	Blank



STANDARD SIZE 1A STAINLESS STEEL CONFIGURATIONS



**Maintained
Mushroom P.B.
Pull Release**



**Maintained
Mushroom P.B.
Twist Release**



**Double
Momentary
Push Button**

The control stations on this page are the most commonly used configurations of mushroom push buttons and double push buttons. One entry listed is located at bottom.

HKH MAINTAINED MUSHROOM STAY PUT E-STOP							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1ASD2M41EK8 (Pull Release) HKH1ASD2M71EK8 (Twist Release)	HKH1ASP2M41EK8 (Pull Release) HKH1ASP2M71EK8 (Twist Release)	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Red	Emergency Stop
HKH1ASDAM41E (Pull Release) HKH1ASDAM71E (Twist Release)	HKH1ASPAM41E (Pull Release) HKH1ASPAM71E (Twist Release)	M20 Clearance hole					

HKH DOUBLE MOMENTARY PUSH BUTTON, 1 N.O. START/1 N.C. STOP							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1ASD2P21K8	HKH1ASP2P21K8	3/4" NPT SS HUB		START STOP 	1 N.O. / 1 N.C.	Green/Start/ (I) Red/Stop/(O) Black	—
HKH1ASDAP21	HKH1ASPAP21	M20 Clearance hole					



CONTROLS HKH SERIES

STANDARD SIZE 1A STAINLESS STEEL CONFIGURATIONS



**2 Position
Selector Switch Maint. & Mom.**



**3 Position
Selector Switch Maint. & Mom.**

The control stations on this page are the most commonly used configurations of rotary selector switches. One entry hole listed is located at bottom.

HKH MAINTAINED 2-POSITION SELECTOR SWITCH						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1ASD2S11SK8	HKH1ASP2S11SK8	3/4" NPT SS HUB		OFF ON 	1 N.C. / 1 N.O.	Off-On
HKH1ASDAS11S	HKH1ASPAS11S	M20 Clearance hole				

HKH 2-POSITION SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1ASD2S210K8	HKH1ASP2S210K8	3/4" NPT SS HUB			1 N.C. / 1 N.O.	Blank
HKH1ASDAS210	HKH1ASPAS210	M20 Clearance hole				

HKH MAINTAINED 3-POSITION SELECTOR SWITCH INDEPENDENT CAM						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1ASD2S349K8	HKH1ASP2S349K8	3/4" NPT SS HUB		HAND OFF AUTO 	2 N.O.	Hand-Off-Auto
HKH1ASDAS349	HKH1ASPAS349	M20 Clearance hole				

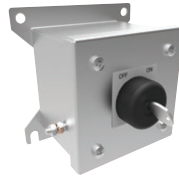
HKH 3-POSITION SELECTOR SWITCH SPRING RETURN, MOM. LEFT & RIGHT, MAINT. CENTER						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1ASD2S440K8	HKH1ASP2S440K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1ASDAS440	HKH1ASPAS440	M20 Clearance hole				

HKH 3-POSITION SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. CENTER & LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1ASD2S540K8	HKH1ASP2S540K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1ASDAS540	HKH1ASPAS540	M20 Clearance hole				

HKH 3-POSITION SELECTOR SWITCH SPRING RETURN, MOM. LEFT, MAINT. CENTER & RIGHT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1ASD2S640K8	HKH1ASP2S640K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1ASDAS640	HKH1ASPAS640	M20 Clearance hole				



STANDARD SIZE 1A STAINLESS STEEL CONFIGURATIONS

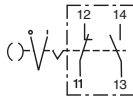
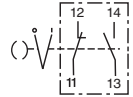
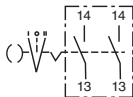
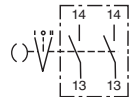
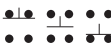
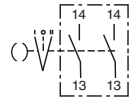
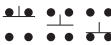
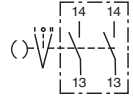
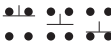


2 Position
Key Selector SWT Maint. & Mom.



3 Position
Key Selector SWT Maint. & Mom.

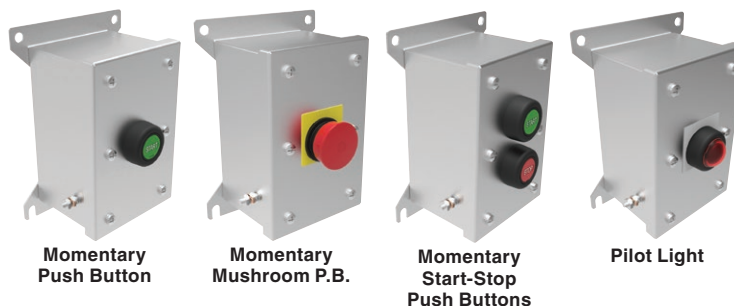
The control stations on this page are the most commonly used configurations of keyed rotary selector switches.
One entry hole listed is located at bottom.

HKH MAINTAINED 2-POSITION KEYED SELECTOR SWITCH						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1ASD2K11SK8	HKH1ASP2K11SK8	3/4" NPT SS HUB			1 N.C. / 1 N.O.	Off-On
HKH1ASDAK11S	HKH1ASPAK11S	M20 Clearance hole				
HKH 2-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1ASD2K210K8	HKH1ASP2K210K8	3/4" NPT SS HUB			1 N.C. / 1 N.O.	Blank
HKH1ASDAK210	HKH1ASPAK210	M20 Clearance hole				
HKH MAINTAINED 3-POSITION KEYED SELECTOR SWITCH INDEPENDENT CAM						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1ASD2K349K8	HKH1ASP2K349K8	3/4" NPT SS HUB			2 N.O.	Hand-Off-Auto
HKH1ASDAK349	HKH1ASPAK349	M20 Clearance hole				
HKH 3-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. LEFT & RIGHT, MAINT. CENTER						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1ASD2K440K8	HKH1ASP2K440K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1ASDAK440	HKH1ASPAK440	M20 Clearance hole				
HKH 3-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. CENTER & LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1ASD2K540K8	HKH1ASP2K540K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1ASDAK540	HKH1ASPAK540	M20 Clearance hole				
HKH 3-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. LEFT, MAINT. CENTER & RIGHT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1ASD2K640K8	HKH1ASP2K640K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1ASDAK640	HKH1ASPAK640	M20 Clearance hole				



CONTROLS HKH SERIES

STANDARD SIZE 1B STAINLESS STEEL CONFIGURATIONS*



Momentary
Push Button

Momentary
Mushroom P.B.

Momentary
Start-Stop
Push Buttons

Pilot Light

The control stations on this page are the most commonly used configurations, including combinations of pilot lights, and push buttons. One entry hole listed is located at bottom.

HKH MOMENTARY SINGLE PUSH BUTTON							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1BSD2P11K8	HKH1BSP2P11K8	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Green: Start/(I)/Blank Red: Stop/(O)/Blank Black: Blank	None
HKH1BSDAP11	HKH1BSPAP11	M20 Clearance hole					
supplied with 7 colored and marked discs – see button color							

HKH MOMENTARY SINGLE PUSH BUTTON - MUSHROOM							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1BSD2M11BK8 HKH1BSD2M21AK8 HKH1BSD2M31OK8	HKH1BSP2M11BK8 HKH1BSP2M21AK8 HKH1BSP2M31OK8	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Red Green Black	Stop Start Blank
HKH1BSDAM11B HKH1BSDAM21A HKH1BSDAM31O	HKH1BSPAM11B HKH1BSPAM21A HKH1BSPAM31O	M20 Clearance hole				Red Green Black	Stop Start Blank

HKH DOUBLE MOMENTARY START-STOP PUSH BUTTONS							
CATALOG NUMBER ^①		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1BSD2P11P11K8	HKH1BEP2P11P11K8	3/4" NPT SS HUB			1 N.O. / 1 N.C. 1 N.O. / 1 N.C.	Green, start, (I) Red, stop, (O)	—
HKH1BSDAP11P11	HKH1BEPAP11P11	M20 Clearance hole					

HKH SINGLE PILOT LIGHT								
3/4" NPT SS HUB SUPPLIED		M20 CLEARANCE HOLE SUPPLIED		CONTACT ARRANGEMENT		LAMP VOLTAGE	COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT	DIN RAIL MOUNT	PANEL MOUNT	IEC	NEMA			
HKH1BSD2LRL0K8 HKH1BSD2LGL0K8 HKH1BSD2LAL0K8 HKH1BSD2LCL0K8 HKH1BSD2LBL0K8	HKH1BSP2LRL0K8 HKH1BSP2LGL0K8 HKH1BSP2LAL0K8 HKH1BSP2LCL0K8 HKH1BSP2LBL0K8	HKH1BSDALRL0 HKH1BSDALGL0 HKH1BSDALAL0 HKH1BSDALCL0 HKH1BSDALBL0	HKH1BSPALRL0 HKH1BSPALGL0 HKH1BSPALAL0 HKH1BSPALCL0 HKH1BSPALBL0			12V-254V AC/DC IEC Ex 12V-250V AC/DC UL	Red LED Green LED Amber LED Clear LED Blue LED	Blank

① Din Rail mount assemblies supplied in Flange In type enclosures. Panel mount assemblies supplied with Flange Out enclosures.



STANDARD SIZE 1B STAINLESS STEEL CONFIGURATIONS*



Maintained
Mushroom P.B.
Pull Release

Maintained
Mushroom P.B.
Twist Release

Double
Pilot Light

Pilot Light &
Double Momentary
Push Button

The control stations on this page are the most commonly used configurations, including combinations of pilot lights, and push buttons. One entry listed is located at bottom.

HKH MAINTAINED MUSHROOM STAY PUT E-STOP							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1BSD2M41EK8 (Pull Release) HKH1BSD2M71EK8 (Twist Release)	HKH1BSP2M41EK8 (Pull Release) HKH1BSP2M71EK8 (Twist Release)	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Red	Emergency Stop
HKH1BSDAM41E (Pull Release) HKH1BSDAM71E (Twist Release)	HKH1BSPAM41E (Pull Release) HKH1BSPAM71E (Twist Release)	M20 Clearance hole					

HKH MAINTAINED SINGLE PUSH PULL BUTTON - MUSHROOM							
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKH1BSD2M41BK8 HKH1BSD2M51AK8 HKH1BSD2M61OK8	HKH1BSP2M41BK8 HKH1BSP2M51AK8 HKH1BSP2M61OK8	3/4" NPT SS HUB			1 N.O. / 1 N.C.	Red Green Black	Stop Start Blank
HKH1BSDAM41B HKH1BSDAM51A HKH1BSDAM610	HKH1BSPAM41B HKH1BSPAM51A HKH1BSPAM610	M20 Clearance hole				Red Green Black	Stop Start Blank

HKH DOUBLE PILOT LIGHT								
3/4" NPT SS HUB SUPPLIED①		M20 CLEARANCE HOLE SUPPLIED①		CONTACT ARRANGEMENT		LAMP VOLTAGE	COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT	DIN RAIL MOUNT	PANEL MOUNT	IEC	NEMA			
HKH1BSD2LRL0LGLOK8 HKH1BSD2LRL0LRL0K8 HKH1BSD2LGL0LGLOK8	HKH1BEP2LRL0LGLOK8 HKH1BEP2LRL0LRL0K8 HKH1BEP2LGL0LGLOK8	HKH1BSDALRL0LGLO HKH1BSDALRL0LRL0 HKH1BSDALGL0LGLO	HKH1BEPALRL0LGLO HKH1BEPALRL0LRL0 HKH1BEPALGL0LGLO			12V-254V AC/DC IEC Ex 12V-250V AC/DC UL	Red/Green Red/Red Green/Green	Blank

HKH DOUBLE MOMENTARY PUSH BUTTON & PILOT LIGHT								
CATALOG NUMBER①		ENTRY SIZE	CONTACT ARRANGEMENT		LAMP VOLTAGE	CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA				
HKH1BSD2LRL0P21K8	HKH1BEP2LRL0P21K8	3/4" NPT SS HUB		 START STOP	12V-254V AC/DC IEC Ex 12V-250V AC/DC UL	1 N.O. 1 N.C.	Green, Start, (I)	—
HKH1BSDALRL0P21	HKH1BEPALRL0P21	M20 Clearance hole						Red, Stop, (O)

① Din Rail mount assemblies supplied in Flange In type enclosures. Panel mount assemblies supplied with Flange Out enclosures.



CONTROLS HKH SERIES

STANDARD SIZE 1B STAINLESS STEEL CONFIGURATIONS



**2 Position
Selector Switch
Maint. & Mom.**



**3 Position
Selector Switch
Maint. & Mom.**

The control stations on this page are the most commonly used configurations of rotary selector switches. One entry listed is located at bottom.

HKH MAINTAINED 2-POSITION SELECTOR SWITCH						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BSD2S11SK8	HKH1BSP2S11SK8	3/4" NPT SS HUB			1 N.C. / 1 N.O.	Off-On
HKH1BSDAS11S	HKH1BSPAS11S	M20 Clearance hole				

HKH 2-POSITION SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BSD2S210K8	HKH1BSP2S210K8	3/4" NPT SS HUB			1 N.C. / 1 N.O.	Blank
HKH1BSDAS210	HKH1BSPAS210	M20 Clearance hole				

HKH MAINTAINED 3-POSITION SELECTOR SWITCH INDEPENDENT CAM						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BSD2S349K8	HKH1BSP2S349K8	3/4" NPT SS HUB			2 N.O.	Hand-Off-Auto
HKH1BSDAS349	HKH1BSPAS349	M20 Clearance hole				

HKH 3-POSITION SELECTOR SWITCH SPRING RETURN, MOM. LEFT & RIGHT, MAINT. CENTER						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BSD2S440K8	HKH1BSP2S440K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1BSDAS440	HKH1BSPAS440	M20 Clearance hole				

HKH 3-POSITION SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. CENTER & LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BSD2S540K8	HKH1BSP2S540K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1BSDAS540	HKH1BSPAS540	M20 Clearance hole				

HKH 3-POSITION SELECTOR SWITCH SPRING RETURN, MOM. LEFT, MAINT. CENTER & RIGHT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BSD2S640K8	HKH1BSP2S640K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1BSDAS640	HKH1BSPAS640	M20 Clearance hole				



STANDARD SIZE 1B STAINLESS STEEL CONFIGURATIONS



**2 Position
Key Selector Swt
Maint. & Mom.**



**3 Position
Key Selector Swt
Maint. & Mom.**

The control stations on this page are the most commonly used configurations of keyed rotary selector switches. One entry listed is located at bottom.

HKH MAINTAINED 2-POSITION KEYED SELECTOR SWITCH						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BSD2K11SK8	HKH1BSP2K11SK8	3/4" NPT SS HUB		OFF ON 	1 N.C. / 1 N.O.	Off-On
HKH1BSDAK11S	HKH1BSPAK11S	M20 Clearance hole				
HKH 2-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BSD2K210K8	HKH1BSP2K210K8	3/4" NPT SS HUB			1 N.C. / 1 N.O.	Blank
HKH1BSDAK210	HKH1BSPAK210	M20 Clearance hole				
HKH MAINTAINED 3-POSITION KEYED SELECTOR SWITCH INDEPENDENT CAM						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BSD2K349K8	HKH1BSP2K349K8	3/4" NPT SS HUB		HAND OFF AUTO 	2 N.O.	Hand-Off-Auto
HKH1BSDAK349	HKH1BSPAK349	M20 Clearance hole				
HKH 3-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. LEFT & RIGHT, MAINT. CENTER						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BSD2K440K8	HKH1BSP2K440K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1BSDAK440	HKH1BSPAK440	M20 Clearance hole				
HKH 3-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. RIGHT, MAINT. CENTER & LEFT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BSD2K540K8	HKH1BSP2K540K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1BSDAK540	HKH1BSPAK540	M20 Clearance hole				
HKH 3-POSITION KEYED SELECTOR SWITCH SPRING RETURN, MOM. LEFT, MAINT. CENTER & RIGHT						
CATALOG NUMBER		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA		
HKH1BSD2K640K8	HKH1BSP2K640K8	3/4" NPT SS HUB			2 N.O.	Blank
HKH1BSDAK640	HKH1BSPAK640	M20 Clearance hole				



CONTROLS HKH SERIES

STANDARD SIZE 1C STAINLESS STEEL CONFIGURATIONS



The control stations on this page are the most commonly used configurations, including combinations of pilot lights, push buttons, rotary selector switches, and ammeters.

One entry hole listed is located at bottom.

HKH RED PILOT LIGHT & TWO MOMENTARY PUSH BUTTONS								
CATALOG NUMBER ^①		ENTRY SIZE	CONTACT ARRANGEMENT		LAMP VOLTAGE	CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA				
HKHMOD000021	HKHMOD000022	3/4" NPT SS HUB			12V-254V AC/DC IEC Ex 12V-250V AC/DC UL	1 N.C.	Red Stop (I)	Blank
HKHMOD000023	HKHMOD000024	M20 Clearance hole				1 N.O.	Green Start (O)	

HKH THREE MOMENTARY PUSH BUTTONS							
CATALOG NUMBER①		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKHMOD000025	HKHMOD000026	3/4" NPT SS HUB			1 N.O. / 1 N.C. 1 N.O. / 1 N.C. 1 N.O. / 1 N.C.	Green: Start/(I)/Blank Red: Stop/(O)/Blank Black: Blank	Blank
HKHMOD000027	HKHMOD000028	M20 Clearance hole					

HKH RED PILOT LIGHT, MUSHROOM MAINTAINED P.B., DOUBLE MOMENTARY P.B.							
CATALOG NUMBER①		ENTRY SIZE	CONTACT ARRANGEMENT		LAMP VOLTAGE	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA	CONTACT BLOCKS		
HKHMOD000029 (Pull Release)	HKHMOD000030 (Pull Release)	3/4" NPT SS HUB			12V-254V AC/DC IEC Ex	Red Green: Start/(I)/Blank Red: Stop/(O)/Blank	Blank Emergency Stop
HKHMOD000031 (Twist Release)	HKHMOD000032 (Twist Release)				12V-250V AC/DC UL		
HKHMOD000033 (Pull Release)	HKHMOD000034 (Pull Release)	M20 Clearance hole			1 N.O. / 1 N.C.		
HKHMOD000035 (Twist Release)	HKHMOD000036 (Twist Release)				1 N.O. / 1 N.C.		

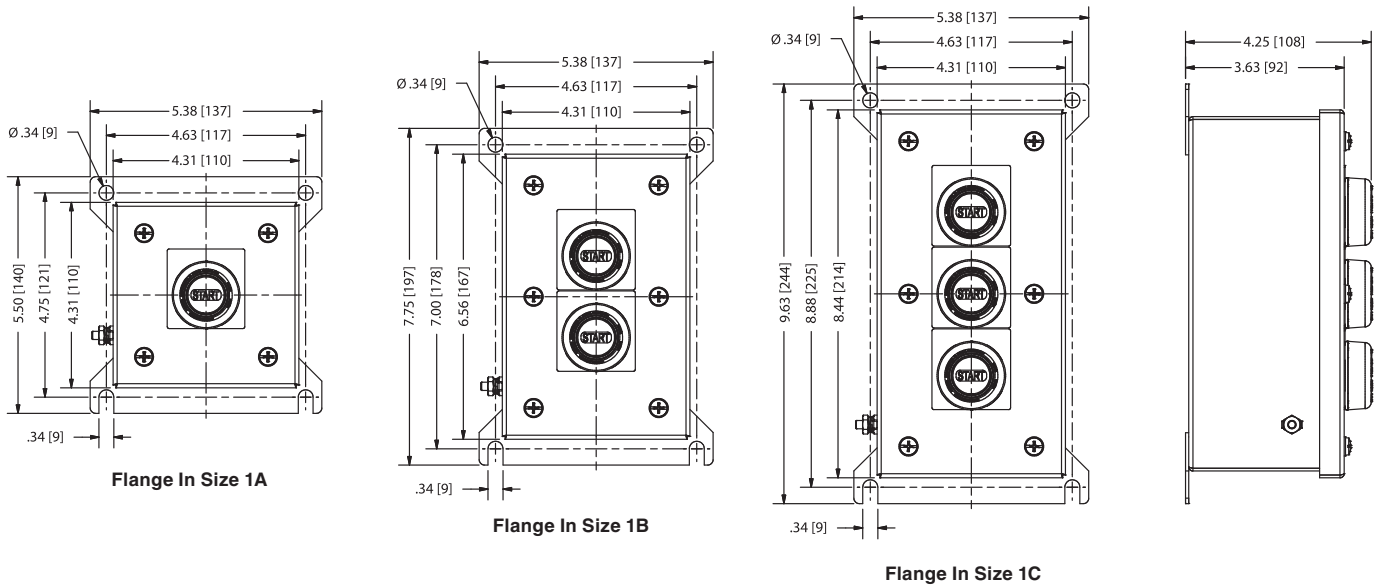
HKH 72MM AMMETER & 2 POSITION MAINT. SELECTOR SWITCH							
CATALOG NUMBER①②		ENTRY SIZE	CONTACT ARRANGEMENT		CONTACT BLOCKS	BUTTON COLOR	LEGEND PLATE MARKING
DIN RAIL MOUNT	PANEL MOUNT		IEC	NEMA			
HKHMOD000037	HKHMOD000038	3/4" NPT SS HUB			1 N.C. / 1 N.O.	—	Blank
HKHMOD000039	HKHMOD000040	M20 Clearance hole					

① Din Rail mount assemblies supplied in Flange In type enclosures. Panel mount assemblies supplied with Flange Out enclosures.

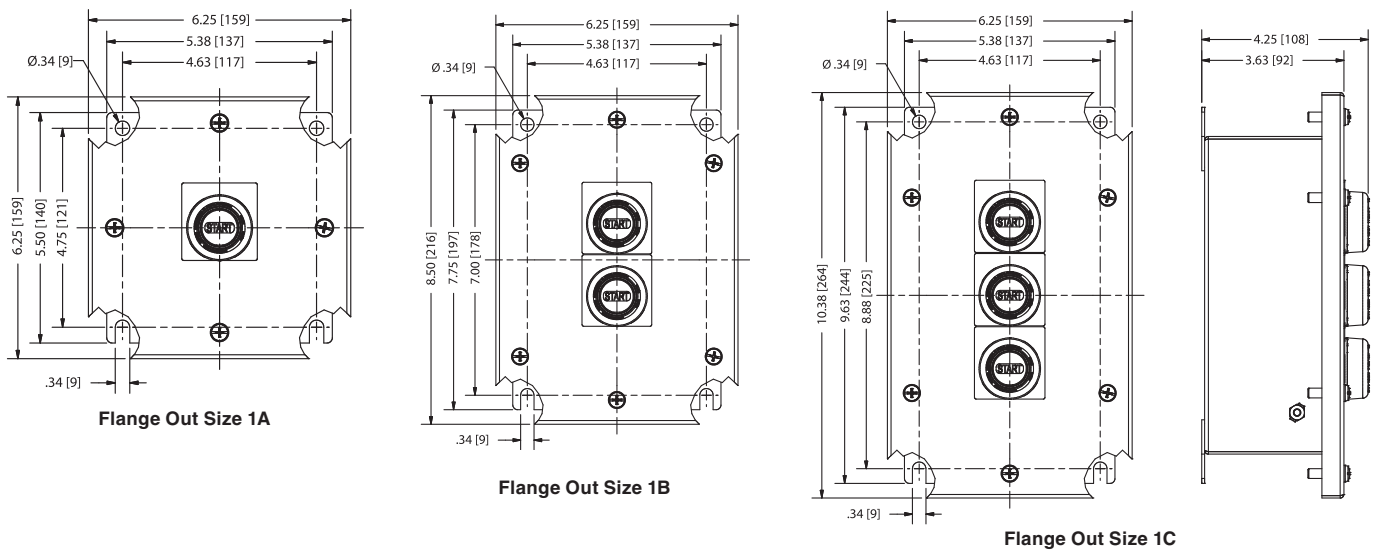
② IECEx/ATEX Only. Supplied with 72mm 1A Ammeter scale 0-5A and 25A O/L scale. For use with Current Transformer. Consult Factory for other scale ranges and for Voltmeter options.



DIMENSIONAL DATA - STAINLESS STEEL SIZE 1 FLANGE IN



DIMENSIONAL DATA - STAINLESS STEEL SIZE 1 FLANGE OUT



CLEARANCE HOLE FOR NPT FITTING	LOGIC CODE
1/2" Top Feed	7
1/2" Bottom Feed	1
1/2" Feed Through	4
3/4" Top Feed	8
3/4" Bottom Feed	2
3/4" Feed Through	5
1" Top Feed	9
1" Bottom Feed	3
1" Feed Through	6

CLEARANCE HOLE FOR METRIC FITTING	LOGIC CODE
M20 Top Feed	C
M20 Bottom Feed	A
M20 Feed Through	B
2 x M20 Top Feed	F
2 x M20 Bottom Feed	D
M25 Top Feed	J
M25 Bottom Feed	G
M25 Feed Through	H



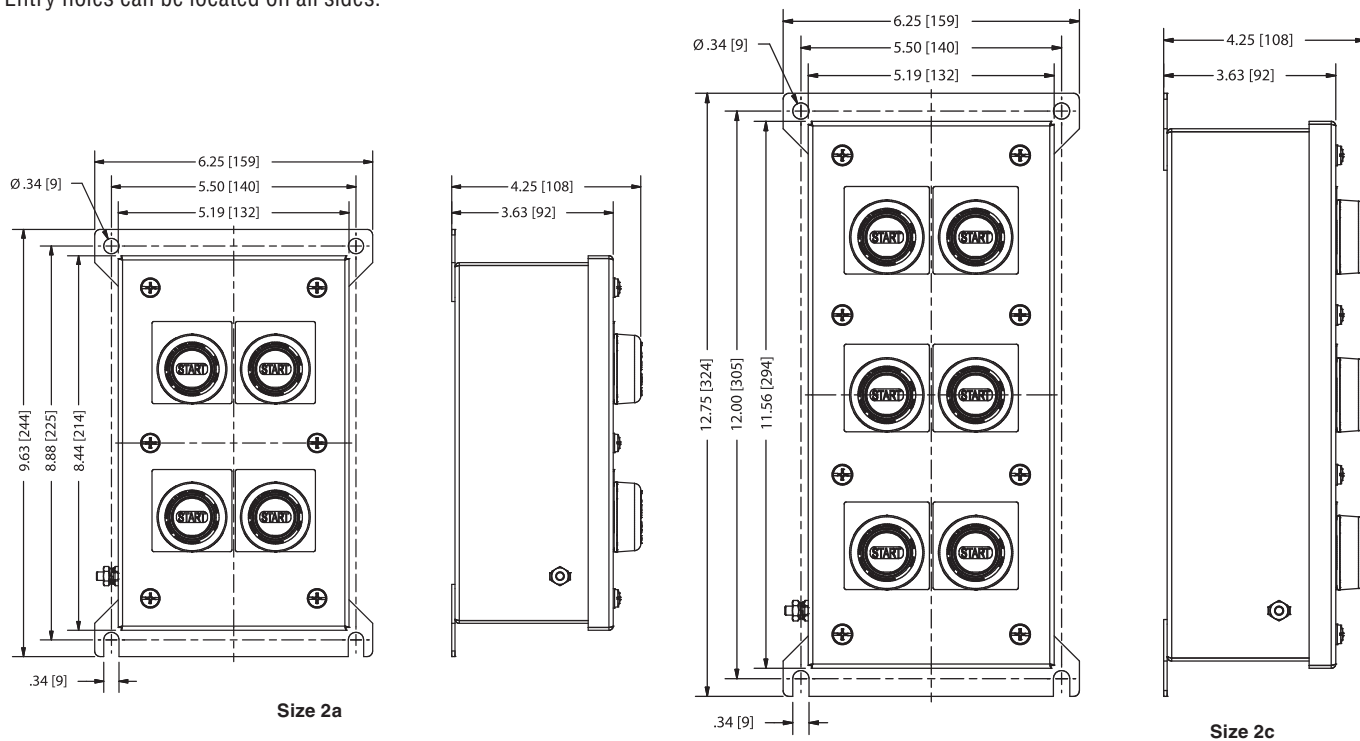
CONTROLS HKH SERIES

SIZE 2A & 2C STAINLESS STEEL FLANGE IN



Size 2A and 2C control stations can be factory ordered to include combinations of pilot lights, push buttons, rotary selector switches, ammeters, and terminal blocks.

Entry holes can be located on all sides.



CLEARANCE HOLE FOR NPT FITTING	LOGIC CODE
1/2" Top Feed	7
1/2" Bottom Feed	1
1/2" Feed Through	4
3/4" Top Feed	8
3/4" Bottom Feed	2
3/4" Feed Through	5
1" Top feed	9
1" bottom feed	3
1" Feed Through	6

CLEARANCE HOLE FOR METRIC FITTING	LOGIC CODE
M20 Top Feed	C
M20 Bottom Feed	A
M20 Feed Through	B
2 x M20 Top Feed	F
2 x M20 Bottom Feed	D
M25 Top Feed	J
M25 Bottom Feed	G
M25 Feed Through	H
2 x m25 bottom feed	K

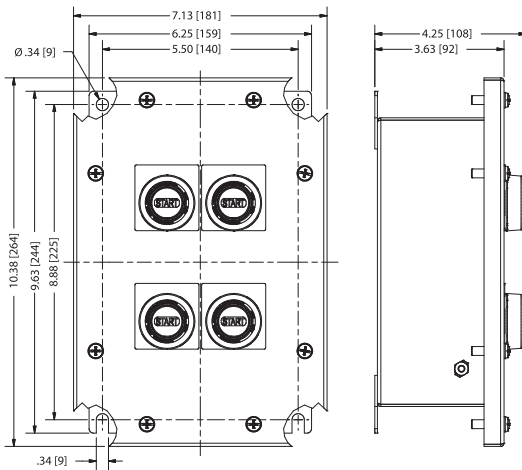


SIZE 2A & 2C STAINLESS STEEL FLANGE OUT

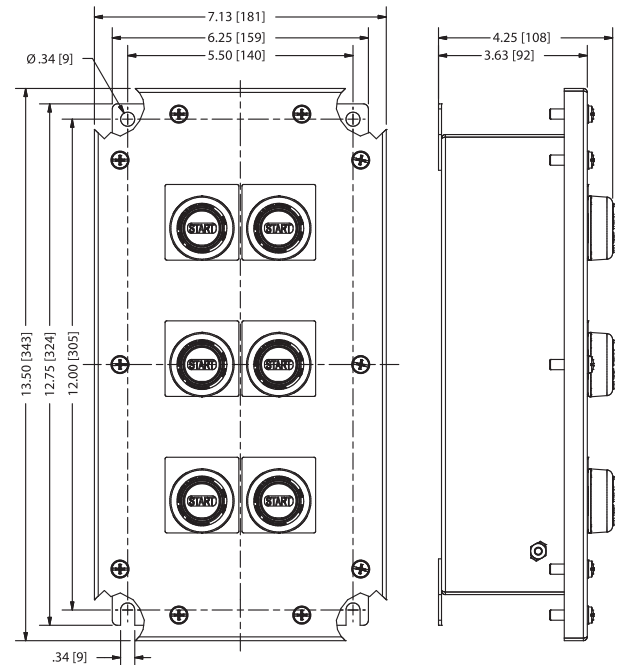


Size 2A and 2C control stations can be factory ordered to include combinations of pilot lights, push buttons, rotary selector switches, ammeters, and terminal blocks.

Entry holes can be located on all sides.



Size 2a



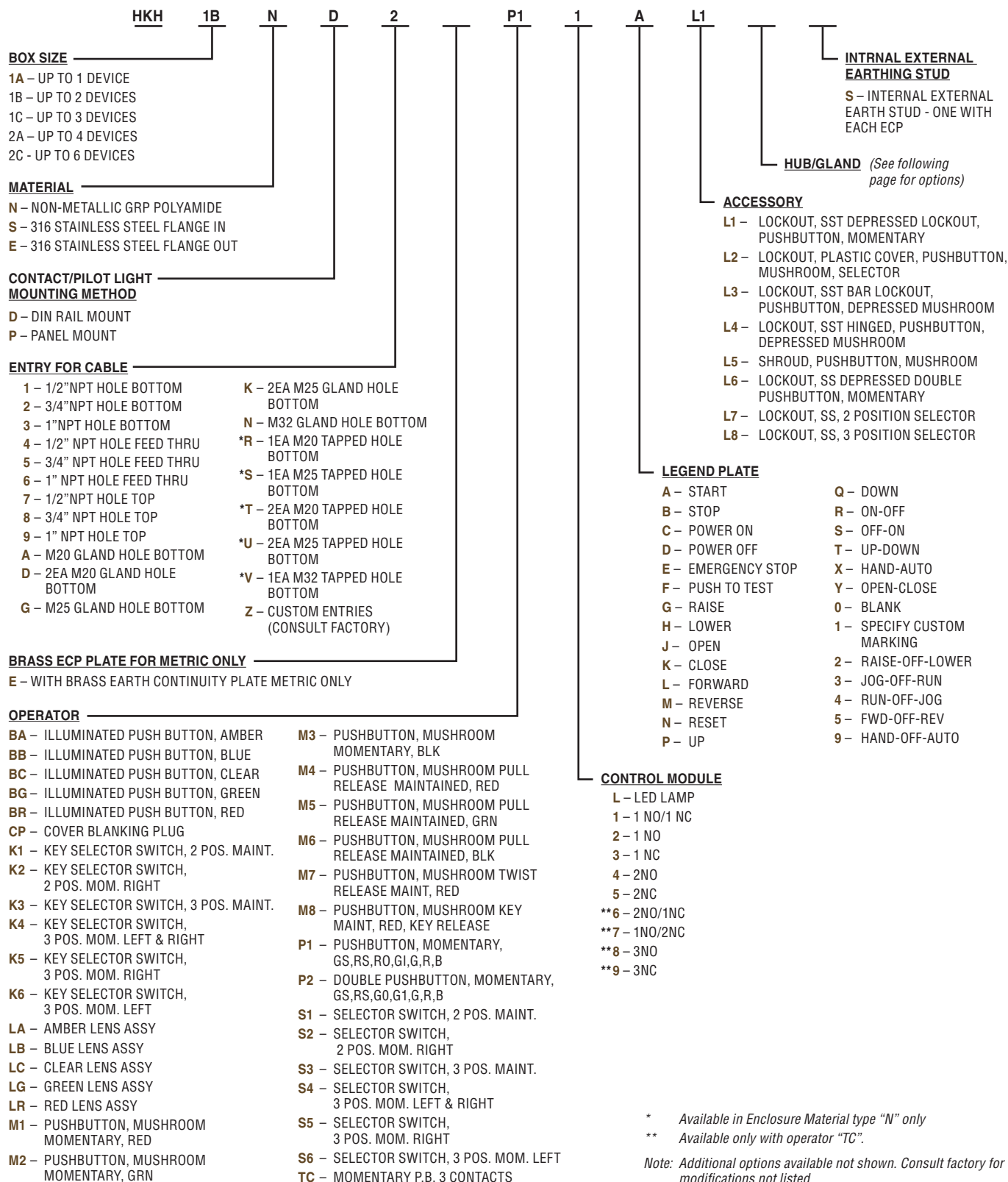
Size 2c

CLEARANCE HOLE FOR NPT FITTING	LOGIC CODE	CLEARANCE HOLE FOR METRIC FITTING	LOGIC CODE
1/2" Top Feed	7	2 x M20 Top Feed	F
1/2" Bottom Feed	1	2 x M20 Bottom Feed	D
1/2" Feed Through	4	2 x M20 Feed Through	E
3/4" Top Feed	8	2 x M25 Top Feed	M
3/4" Bottom Feed	2	2 x M25 bottom feed	K
3/4" Feed Through	5	2 x M25 Feed Through	L
1" Top feed	9	M32 Top Feed	Q
1" bottom feed	3	M32 Bottom Feed	N
1" Feed Through	6	M32 Feed through	P



CONTROLS HKH SERIES

CATALOG LOGIC





HUBS / CABLE GLANDS



FEATURES- SPECIFICATIONS **HAZCON®**

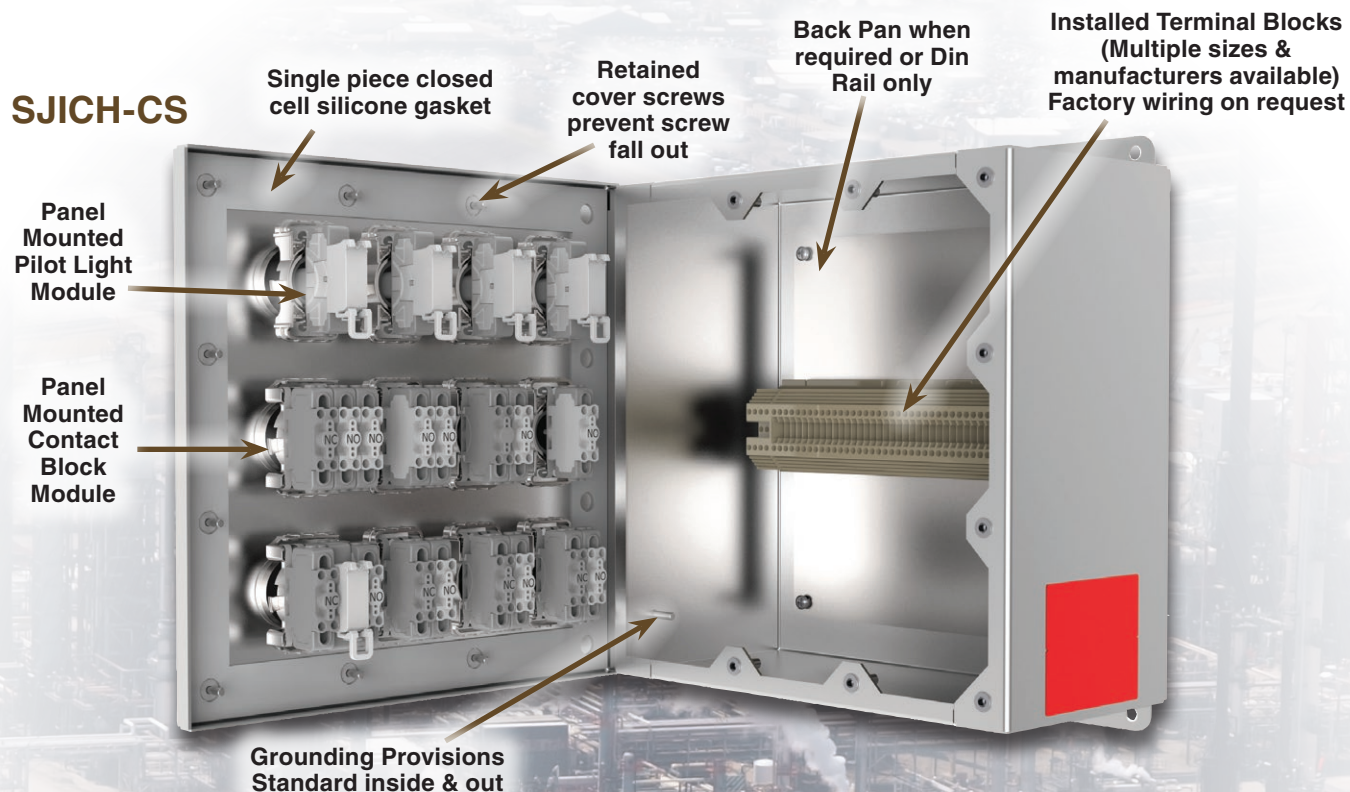
HUBS/GLANDS	
CATALOG LOGIC NUMBER	DESCRIPTION
H1	421S Single Comp. Brass Gland OS-M20
H2	421 Single Comp. Brass Gland O-M20
H3	421N Single Comp. Brass Gland A-M20
H4	421N Single Comp. Brass Gland B-M25
H5	421N Single Comp. Brass Gland OS-M20 NAL Nickel plate
H6	421N Single Comp. Brass Gland O-M20 NAL Nickel plate
H7	421N Single Comp. Brass Gland A-M20 NAL Nickel plate
H8	421N Single Comp. Brass Gland B-M25 NAL Nickel plate
H9	421N Single Comp. Brass Gland C-M32
HA	421N Single Comp. SS Gland OS-M20
HB	421N Single Comp. SS Gland O-M20
HC	421N Single Comp. SS Gland A-M20
HD	421N Single Comp. SS Gland B-M25
HE	421N Single Comp. Brass Gland C-M32 NAL Nickel plate
HF	421N Single Comp. SS Gland C-M32
J1	453R Single Comp. Brass Gland OS-M20
J2	453R Single Comp. Brass Gland O-M20
J3	453R Single Comp. Brass Gland A-M20
J4	453R Single Comp. Brass Gland B-M25
J5	453R Single Comp. Brass Gland OS-M20 NAL Nickel plate
J6	453R Single Comp. Brass Gland O-M20 NAL Nickel plate
J7	453R Single Comp. Brass Gland A-M20 NAL Nickel plate
J8	453R Single Comp. Brass Gland B-M25 NAL Nickel plate
J9	453R Single Comp. Brass Gland C-M32
JA	453R Single Comp. SS Gland OS-M20
JB	453R Single Comp. SS Gland O-M20
JC	453R Single Comp. SS Gland A-M20
JD	453R Single Comp. SS Gland B-M25
JE	453R Single Comp. Brass Gland C-M32 NAL Nickel plate
JF	453R Single Comp. SS Gland C-M32
K1	K1 MC1C Aluminum Metal Clad Connector 1/2" Ø .60 - .82 in
K2	K2 MC2 Aluminum Metal Clad Connector 3/4" Ø .73 - 1.03 in
K3	K3 MC3 Aluminum Metal Clad Connector 1" Ø .97 - 1.31 in
K4	WH-1G Zinc 1/2" HUB
K5	WH-2G Zinc 3/4" HUB
K6	WH-3G Zinc 1" HUB
K7	WH-SS1G Stainless Steel 1/2" HUB
K8	WH-2SSG Stainless Steel 3/4" HUB
K9	WH-3SSG Stainless Steel 1" HUB
KA	WH-1AG Alum. 1/2"
KB	WH-2AG Alum. 3/4"
KC	WH-3AG Alum. 1" HUB
KD	NMHG1EX PVC Coated 1/2" HUB
KE	NMHG2EX PVC Coated 3/4" HUB
KF	NMHG3EX PVC Coated 1" HUB



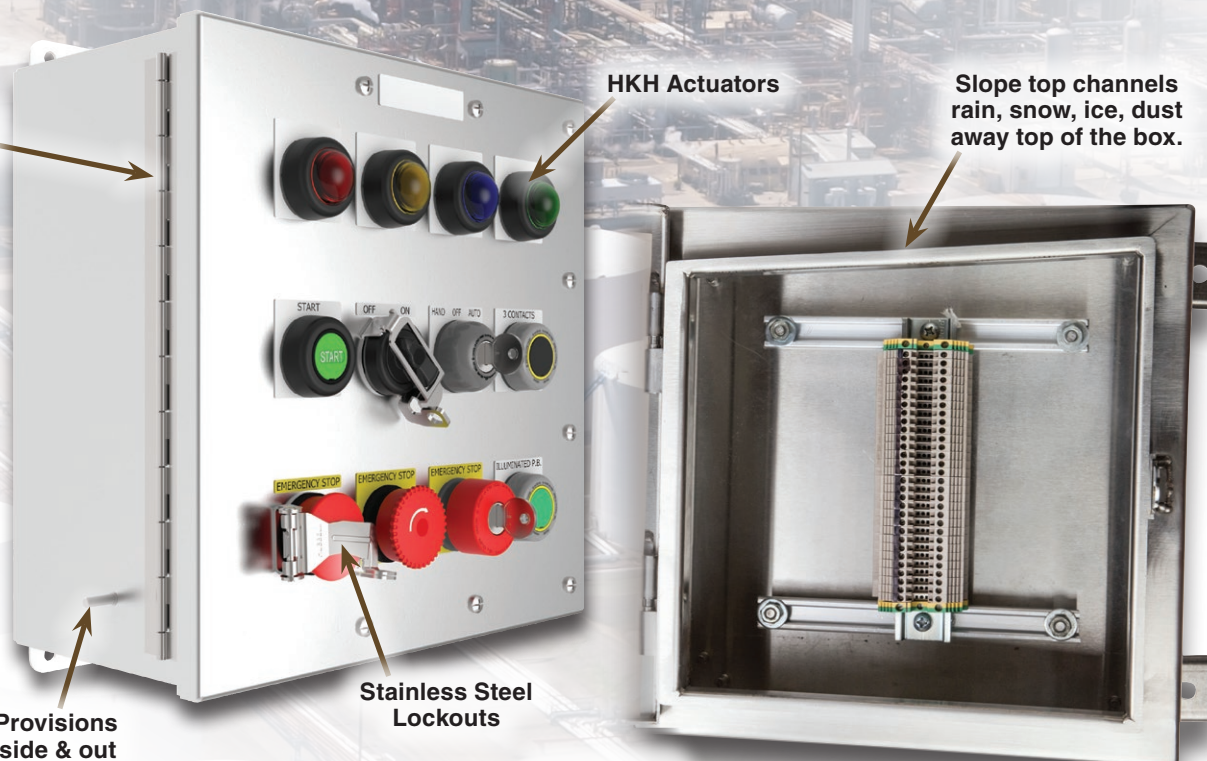
CONTROLS

USF-CS / SJICH-CS SERIES

SJICH-CS



Hinge standard on all material options



USF-CS



CONTROL PANELS

HAZCON®



Class 1, Zone 1, AEx db eb IIC *T6...T4 Gb
Ex de IIC *T6...T4 Gb, Zone 21
AEx tb IIIC *T80°C...T100°C Db IP66
Ex tb IIIC *T80°C...T100°C Db IP66
Class I, Div. 2, Groups A, B, C, D, *T6...T4
Class II, Groups E, F, G, Class III
Class III, Encl Type 3, 4, 4X



CSA 15.70013827

Ex db eb IIC *T6...T4 Gb

Ex tb IIIC T80°C...T100°C Db IP66

IECEX SIR 16.0090

CE 0539 Ex II 2GD

Custom Control Solutions
designed to your specific needs

FEATURES-SPECIFICATIONS

Features

- Operating Temperature of -50°C to +60°C
- Explosion Protected Contact Blocks and LED Pilot Light Modules
- Wet Locations requiring Type 4x & IP66 Ingress Protection
- Hinge standard on all enclosure types and materials.

Materials

- 316/316L, 304 Stainless Steel & Painted Carbon Steel Control Stations

Electrical Ratings

- Contact Blocks = 690VAC N.O. & N.C., 20A, with HP Ratings up to 1HP
- LED Pilot Light Modules = 12-254 VAC/DC

								
Momentary Push Buttons	Illuminated Momentary Push Buttons LED	2 & 3 Position Rotary Switch Maintained & Momentary	Emergency Stop Red Mushroom Push Buttons Key, Pull, & Twist Release, Momentary Mushroom P.B. in Red, Green and Black Protective Shrouds available			2 & 3 Position Keyed Rotary Switch Maintained & Momentary	Pilot Light Assembly	Double Momentary Push Button



CONTROLS

USF-CS / SJICH-CS SERIES

CUSTOM BUILT ASSEMBLIES



Custom Control Stations Available in a variety of Sizes

- Enclosure sizes from 8" x 6" x 6" (203mm x 152mm x 152mm) up to 36" x 24" x 8" (915mm x 610mm x 203mm)
- Materials: 316/316L, 304 Stainless Steel & Painted Carbon Steel Control Stations
- Operating Temperature of -50°C to +60°C
- Wet Locations requiring Type 4X & IP66 Ingress Protection
- Indoors or Outdoors in Class 1 Division 2 & Zone 1 Harsh and Hazardous Locations

ITEM DESCRIPTION	
USFC-CS121206MODXXXXXX	USF Carbon Steel Painted 12"x12"x6" w/ no Gland Plates and MODified per Customer Actuator & Terminal Block requirements
SJICH6-CS101006GP1000MODXXXXXX	SJIC Hinged Stainless Steel 316/316L 10"x10"x6" w/ Gland Plate at Bottom and MODified per Customer Actuator & Terminal Block requirements

Notes – Enclosure can be supplied with cable entries in sidewalls or removable Gland Plates for field drilling. Enclosures can also be supplied with terminal blocks and factory wired on request.

USF-CS CATALOG #	ENCLOSURE SIZE	ACTUATOR MAXIMUM	SJICH-CS CATALOG #	ENCLOSURE SIZE	ACTUATOR MAXIMUM
USF-CS-121206	12" x 12" x 6" (305) x (305) x (152)	8 Devices 2 Rows	SJICH-CS-080606	8" x 6" x 6" (203) x (152) x (152)	3 Devices 2 Rows
USF-CS-161206 USF-CS-161208	16" x 12" x 6"/8" (407) x (305) x (152/203)	15 Devices 4 Rows	SJICH-CS-080806	8" x 8" x 6" (203) x (203) x (152)	4 Devices 2 Rows
USF-CS-161606 USF-CS-161608	16" x 16" x 6"/8" (407) x (407) x (152/203)	23 Devices 4 Rows	SJICH-CS-100806	10" x 8" x 6" (254) x (203) x (152)	6 Devices 2 Rows
USF-CS-201606 USF-CS-201608	20" x 16" x 6"/8" (508) x (407) x (152/203)	29 Devices 5 Rows	SJICH-CS-101006	10" x 10" x 6" (254) x (254) x (152)	8 Devices 2 Rows
USF-CS-202006 USF-CS-202008	20" x 20" x 6"/8" (508) x (508) x (152/203)	39 Devices 5 Rows	SJICH-CS-121006	12" x 10" x 6" (305) x (254) x (152)	12 Devices 3 Rows
USF-CS-241606 USF-CS-241608	24" x 16" x 6"/8" (610) x (407) x (152/203)	35 Devices 6 Rows	SJICH-CS-121206	12" x 12" x 6" (305) x (305) x (152)	15 Devices 3 Rows
USF-CS-242006 USF-CS-242008	24" x 20" x 6"/8" (610) x (508) x (152/203)	47 Devices 6 Rows	SJICH-CS-141206	14" x 12" x 6" (356) x (305) x (152)	15 Devices 3 Rows
USF-CS-242406 USF-CS-242408	24" x 24" x 6"/8" (610) x (610) x (152/203)	50 Devices 5 Rows	SJICH-CS-161406	16" x 14" x 6" (407) x (356) x (152)	24 Devices 4 Rows
USF-CS-302008	30" x 20" x 8" (762) x (508) x (203)	56 Devices 7 Rows			
USF-CS-302408	30" x 24" x 8" (762) x (610) x (203)	70 Devices 7 Rows			
USF-CS-303008	30" x 30" x 8" (762) x (762) x (203)	84 Devices 7 Rows			
USF-CS-362408	36" x 24" x 8" (915) x (610) x (203)	90 Devices 9 Rows			

USF-CS / SJICH-CS SERIES



CUSTOM BUILT ASSEMBLIES

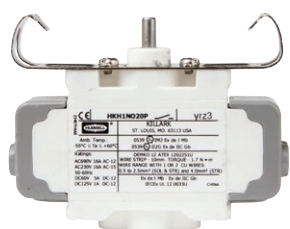
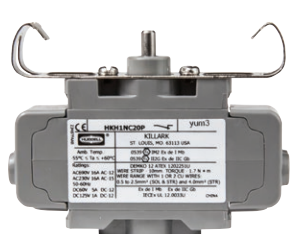


Ammeters and Voltmeters can be installed for use in IECEX/ATEX areas of classification ONLY.

Not certified for use in North America.

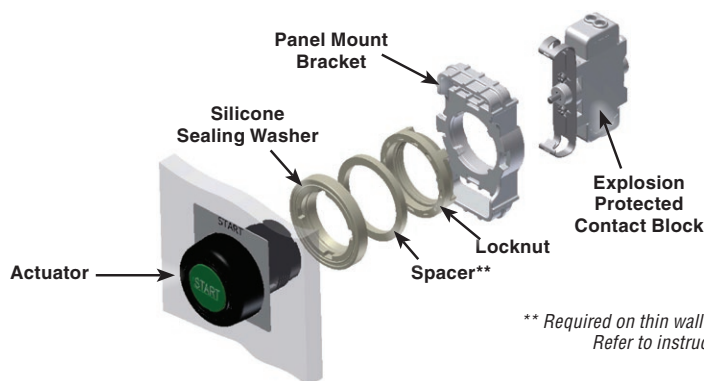
72mm, 1A Ammeters with scales ranging from 0-1 to 0-600 with a 5x Overload Scale for use with Current Transformers or Direct Measure.

Voltmeters with scales of 0-25 to 0-500V.

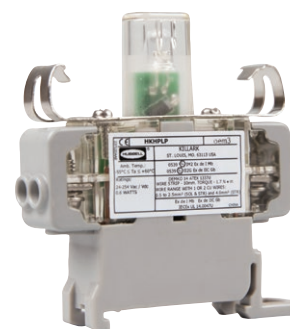


Contact Blocks supplied are Panel Mounted to a bracket that locks into place on the actuator housing. Offered in Normally Open and Normally Closed these Patented contact blocks are made with Silver contact material and gold plated for low voltage applications and corrosion resistance.

- **UL ELECTRICAL RATING:** 690Vac, 20A, 50-60Hz, 60Vdc, 5A, 110Vdc, 2A, 255Vdc, 1.5A, 1/2 HP @120Vac, 1 HP@208/240/277Vac, A600/P600- Pilot Duty 350Vac- Tungsten Lamp.
- **WIRE ALLOWANCES:** WIRE RANGE with 1 or 2 WIRES: #22 to #12 AWG (SOL & STR) and #10 AWG (STR).
- **IEC ELECTRICAL RATINGS:** AC690V 16A AC-12, 50-60 Hz, AC230V 16A AC-15, 50-60Hz, DC60V 5A DC-12, DC125 1A DC-12.
- **WIRE ALLOWANCES:** WIRE RANGE with 1 or 2 WIRES: 0.5 to 2.5mm (SOL & STR) and 4.0mm² (STR)



** Required on thin wall Panel only < .16" thick.
Refer to instruction sheet for actuator.



Pilot Light Applications for US/CAN:

Pilot Light shall be installed in a Class I, Zone 1, AEx e IIC/Ex e IIC increased safety enclosure with a minimum IP54 rating or a Class I, Zone I, AEx d IIC/Zone 21, AEx tb IIC/Ex d IIC/Ex tb IIC flameproof/dust enclosure with a minimum IP64 rating, where the suitability is determined in the end application. Electrical Rating: 12-250Vac/Vdc, 50-60 Hz, 0.6 WATTS.

Pilot Light Applications for ATEX/IECEX:

Pilot Light shall be installed in a Group I and/or Group II, 'Ex e' increased safety enclosure with a minimum IP54 rating or an 'Ex d/tb' flameproof/dust enclosure with a minimum IP64 rating, where the suitability is determined in the end application. Electrical Rating: 12-254 Vac/Vdc, 50-60 Hz, 0.6 WATTS.

Wire Allowances:

WIRE RANGE with 1 or 2 WIRES: #22 to #12 AWG (SOL & STR) and #10 AWG (STR) 0.5 to 2.5mm (SOL & STR) and 4.0mm² (STR)



CONTROLS

USF-CS / SJICH-CS SERIES

ENCLOSURE BASIC CATALOG NUMBER LOGIC

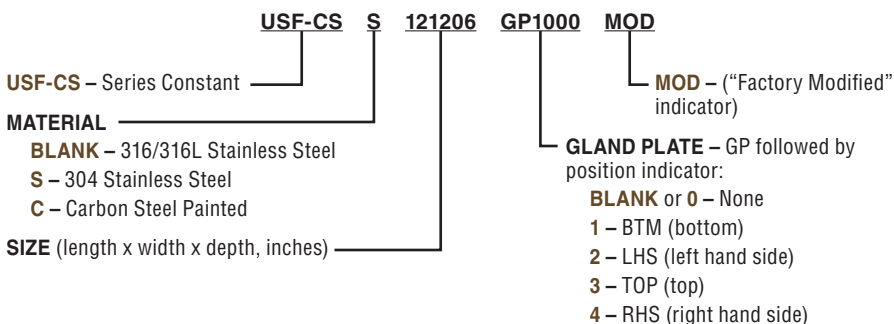
Control Station details to be supplied for devices, cable/conduit entries, terminal block requirements, etc.



USF-CS Series

USF-CS Enclosures Features

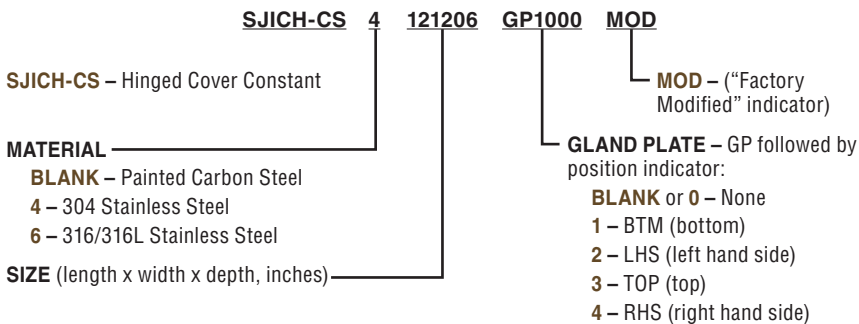
- External slope top flange directs water, melting ice & snow and dust build up away from the opening side of the door.
- Continuous robot welded seams for a hose down tight seal.
- Concealed hinges with removable hinge pins.
- Ground/earthing studs in both cover and through wall of the box.
- Quarter turn 316 stainless steel latch
- One piece high temperature closed cell silicone gasket. With superior recovery and re-sealing properties.
- Sturdy 14 gauge box construction helps prevent bending or permanent deflection of the walls when field installing openings.
- Bi-directional removal mounting lugs for the widest flexibility during installations.
- Openings for glands or conduits factory or field installed—option for gland plates.



SJICH-CS Series

SJICH-CS Enclosures Features

- Screw covers 316 stainless steel
- Continuous robot welded seams for a hose down tight seal.
- Ground/earthing studs in both cover and through wall of the box.
- One piece high temperature closed cell silicone gasket. With superior recovery and re-sealing properties.
- Sturdy 14 gauge box construction helps prevent bending or permanent deflection of the walls when field installing openings.
- Welded one piece mounting flanges top and bottom for strength.
- Openings for glands or conduit

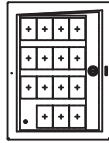
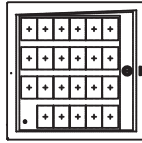
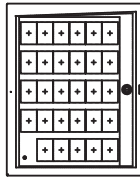
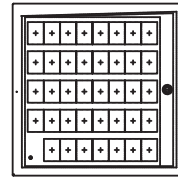
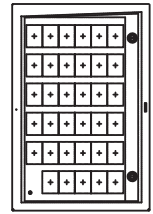
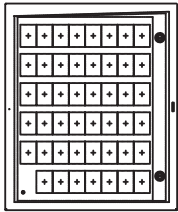
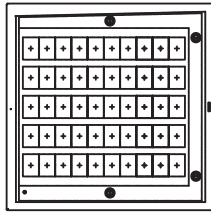
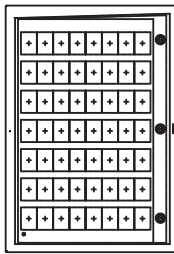
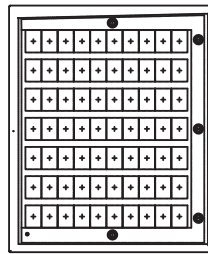
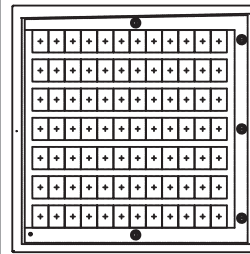
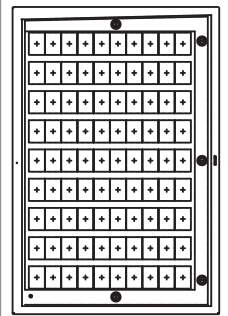


USF-CS / SJICH-CS SERIES

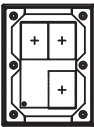
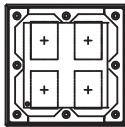
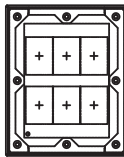
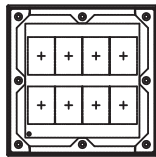
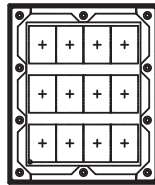
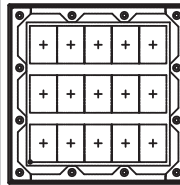
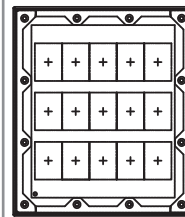
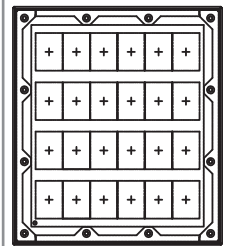


STANDARD OPERATOR LAYOUTS

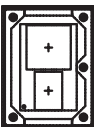
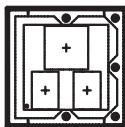
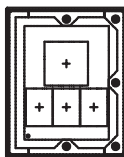
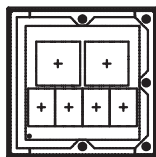
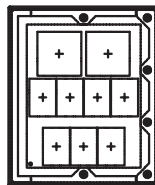
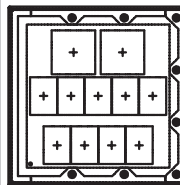
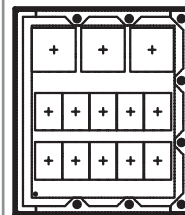
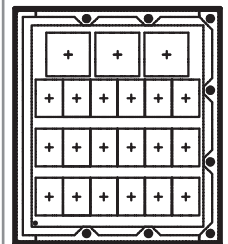
USF-CS STANDARD LAYOUT OPERATOR QUANTITIES

USF1212
(8 DEV.)USF1612
(15 DEV.)USF1616
(23 DEV.)USF2016
(29 DEV.)USF2020
(39 DEV.)USF2416
(35 DEV.)USF2420
(47 DEV.)USF2424
(50 DEV.)USF3020
(56 DEV.)USF3024
(70 DEV.)USF3030
(84 DEV.)USF3624
(90 DEV.)

SJICH-CS STANDARD LAYOUT OPERATOR QUANTITIES

SJICH0806
(3 DEV.)SJICH0808
(4 DEV.)SJICH1008
(6 DEV.)SJICH1010
(8 DEV.)SJICH1210
(12 DEV.)SJICH1212
(15 DEV.)SJICH1412
(15 DEV.)SJICH1614
(24 DEV.)

ALTERNATIVE LAYOUTS WITH METERS

SJICH0806
(1 Meter &
1 DEV.)SJICH0808
(1 Meter &
2 DEV.)SJICH1008
(1 Meter &
3 DEV.)SJICH1010
(2 Meters & 4 DEV.)SJICH1210
(2 Meters & 7 DEV.)SJICH1212
(2 Meters & 9 DEV.)SJICH1412
(3 Meters & 10 DEV.)SJICH1614
(3 Meters & 18 DEV.)

Note: Ammeters will use up four spaces.



CONTROLS HKH SERIES

ACTUATOR PROPERTIES AND PANEL MOUNT INSTALLATION

ATEX/IECEx Certified

0518  II 2 G Ex eb IIC Gb

0518  II 2 D Ex tb IIIC Db
IP66

-50°C ≤ Ta ≤ 60°C

DEMKO 14 ATEX 1400U

Ex eb IIC Gb

Ex tb IIIC Db

-50°C ≤ Ta ≤ +60°C

IECEx UL 14.0104U

cULus Certified

Class I, Zone 1, AEx eb IIC Gb / Ex eb IIC Gb U

Zone 21, AEx tb IIIC Db / Ex tb IIIC Db U

Class I, Division 2, Groups A, B, C, D

Class II, Div. 1, Groups E, F, G (Canada)

Class II, Division 2, Groups E, F, G

Class III, Division 1 (Canada)

Class III

-50°C ≤ Ta ≤ +60°C

Type 3/4/4X/12/13 IP66



HKHPBMSS

Momentary Push Button will depress two Contact Blocks. Supplied with 7 colored inserts shown.



HKHPBMTTC

Momentary Push Button will depress three Contact Blocks. Supplied with 7 colored inserts.



HKHPBMMMR, HKHPBMMMG, HKHPBMMB

Momentary Mushroom Push Button will depress two Contact Blocks. Available in Red, Green and Black

HKHPBPMTMR, HKHPBPMTMG, HKHPBPMTMB

Maintained Mushroom Push Button with Pull Release will depress two Contact Blocks. Available in Red, Green and Black.



HKH2PSMTH, HKH2PSMTV, HKH2PSMMRH, HKH2PSMMRV

2 Position Rotary Selector Switches for Maintained and Momentary action will depress two Contact Blocks.

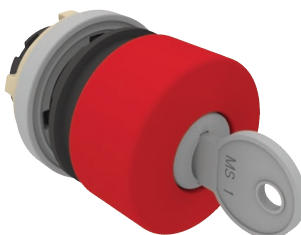
HKH3PSMTIH, HKH3PSMTIV, HKH3PSMMRH, HKH3PSMMRV, HKH3PSMMLH, HKH3PSMMLV, HKH3PSMMLRH, HKH3PSMMLRV

3 Position Rotary Selector Switches for Maintained and Momentary action with Independent Cams that will depress one Contact Block in each Left and Right Positions.



HKHPBILLMM

Momentary Illuminated Push Button with LED Lamp that will depress two Contact Blocks. Available with Red, Green, Amber, Clear and Blue transparent inserts.



HKHPBKMTMRH*, HKHPBKMTMRV*

Maintained Mushroom Push Button with Key Release will depress two Contact Blocks. Available in Red only.

* MS-1 key supplied as standard. Additional key numbers available by adding digit at end of catalog numbers. Key numbers available 2, 3, 4, 5, 6 (HKHPBKMTMRV4)



HKH2PSKH*, HKH2PSKV*

2 Position Key Rotary Selector Switches for Maintained and Momentary action will depress two Contact Blocks.

HKH3PSKIH*, HKH3PSKIV*

3 Position Key Rotary Selector Switches for Maintained and Momentary action with Independent Cams that will depress one Contact Block in each Left and Right Positions.

NOTE: Not rated Type 13



HKHPLR, HKHPLG, HKHPLA, HKHPLC, HKHPLB

Pilot Light Lens Assembly. Available in Red, Green, Amber, Clear and Blue



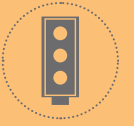
HKHPBTMTMR

Maintained Mushroom Push Button with Twist Release will depress two Contact Blocks. Available in Red only



HKHDBLPBMMGR

Double Momentary Push Button will depress one Contact Block on each button. Supplied with 7 colored inserts shown by HKHPBMSS.



DIMENSIONAL DATA FOR INSTALLATION OF HKH PANEL MOUNTED ACTUATORS

HAZCON®



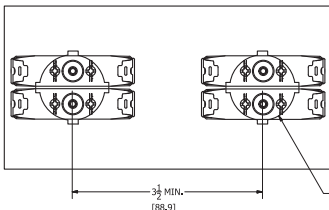
Figure 1

Orientation of rotary actuator part numbers ending in "V"
Keyway positioned at 12 o'clock

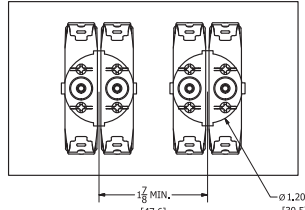


Figure 2

Orientation of rotary actuator part numbers ending in "H"
Keyway positioned at 3 o'clock



Minimum spacing for rotary actuator part numbers ending in "V"



Minimum spacing for rotary actuator part numbers ending in "H"

Note: Some Actuators are supplied with an "H" or a "V" at the end of the catalog number. These letters apply to the orientation of the din rail when used in applications with din rails. This feature allows for two different spacings when installed as panel mount. See details for "H" & "V" actuator spacing and contact block orientation.

When installing other actuators such as push buttons & pilot lights the keyway must also be positioned in the same location as the rotary actuators. See Fig. 1 and Fig. 2

For installation on
Type 1, 3, 3R, 4/4X,
12 & 13 and IP66
Enclosures

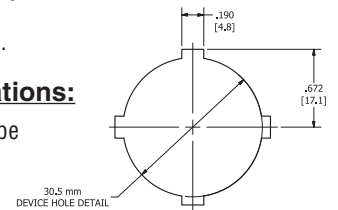


For US / CAN Applications:

Actuators and Pilot Light Lens Assembly shall be installed in a Class I, Zone 1, AEx e IIC / Ex e IIC increased safety enclosure where the suitability is determined in the end application.

For ATEX / IECEx Applications:

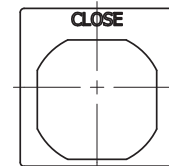
Actuators and Lens Covers shall be installed in a Group I and/or Group II, 'Ex e' increased safety enclosure where the suitability is determined in the end application.



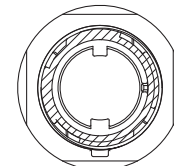
30.5mm Device Hole Detail

Important to maintain Ingress Protection

ACTUATOR LEGEND PLATES:



Legend Plate



Actuator Housing

HKH actuators will only accept Killark Legend Plates. To insure ingress protection and proper operation is maintained the four flat sides of the plate must match up to the four flat areas on the bottom side of the actuator housing. This must be done to allow the legend plate to float freely under the actuator housing.



HAZCON® CONTROL PANELS

- SJIC-CS, SJICH-CS and USF-CS Control Stations supplied with screw type or cage clamp terminals.
- HKH HAZCON Panel Mount Actuators installed on door and wired to din rail type terminals on request.
- Available in Painted Carbon Steel, 304 & 316 Stainless Steel material in sizes up to 362410 in USF and 161406 in SJIC/SJICH.

Class I, Div. 2, Grps. A, B, C and D
Ex db eb Class I, Zone 1, AEx db eb IIC
T6...T4 Gb
CSA Encl. Type 4 or 4X, IP66
Ta= -50°C to +40°C (Temp Code T6) or
+55°C (Temp Code T5)
or +60°C (Temp Code T4)

CSA 15.70013827

Note: Refer to "Enclosures" Section for available sizes of USF and SJIC/SJICH Terminal Boxes. Consult Factory for Make to Order Control Stations.



CONTROLS HKH SERIES

ACTUATOR ACCESSORIES



HKHPBMMDHLO



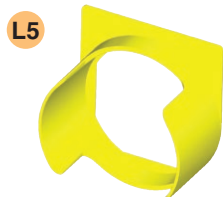
HKHPBSSMFCLO



HKHPBMBLO



HKHPBMHLO



HKHMRSDYL



HKHDBLPBMMDHLO



HKH2PSSHLO



HKH3PSSHLO

L1 – HINGED STAINLESS STEEL LOCKOUT for standard momentary push button in depressed position

L2 – PLASTIC FLIP COVER LOCKOUT used for momentary push button actuators, selector switch actuators, and mushroom push button actuators

L3 – BAR ON CHAIN STAINLESS STEEL LOCKOUT used for mushroom push buttons in depressed position

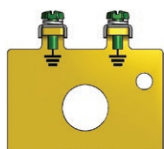
L4 – HINGED STAINLESS STEEL LOCKOUT for mushroom push button in depressed position

L5 – PLASTIC MUSHROOM BUTTON SHROUD

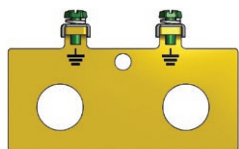
L6 – HINGED STAINLESS STEEL LOCKOUT for double momentary push button in depressed position

L7 – HINGED STAINLESS STEEL LOCKOUT for 2 position rotary selector switch in left or right position

L8 – HINGED STAINLESS STEEL LOCKOUT for 3 position rotary selector switch in left, center or right position



HKHGP11M20



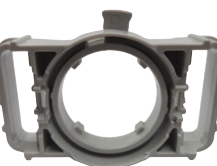
HKHGP22M20



HKHANTOOL



HKHCPC



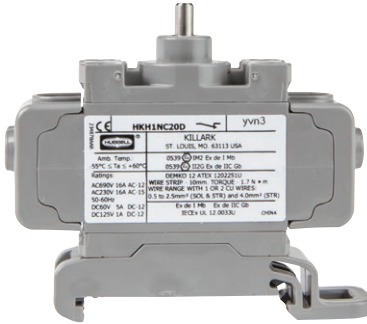
HKHPMBRKT (2 Modules)
HKHPMBRKTMM (3 Modules)
One panel mount bracket required with each actuator for panel mount applications. Additionally use contact blocks and pilot light modules ending in "P". HKHPMBRKTMM used only with HKHPBMMTC and HKHPBILMM

HKHPMBRKT

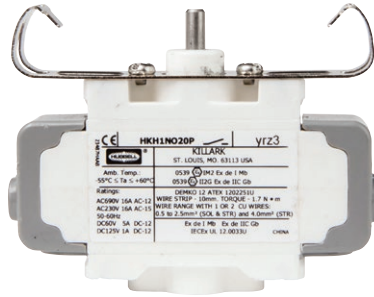
ACCESSORIES	
CATALOG NUMBER	DESCRIPTION
HKHPBSSMFCLO	Mom. PB, Selector Switch, Mushroom PB, Plastic Flip Cover Lockout
HKHPBMMDHLO	PB Depressed Std. Momentary Hinged Stainless Steel Lockout
HKHPBMHLO	PB Depressed Mushroom Hinged Stainless Steel Lockout
HKHPBMBLO	Mushroom Bar On Chain Stainless Steel Lockout
HKHDBLPBMMDHLO	Double PB Depressed Momentary Hinged Stainless Steel Lockout
HKH2PSSHLO	2 Position Rotary Selector Switch Hinged Stainless Steel Lockout
HKH3PSSHLO	3 Position Rotary Selector Switch Hinged Stainless Steel Lockout
BRASS EARTH CONTINUITY PLATE (ECP)	
CATALOG NUMBER	DESCRIPTION
HKHGP12M20	Ground Plate, Brass SZ 1 Encl. 2-M20
HKHGP11M20	Ground Plate, Brass SZ 1 Encl. 1-M20
HKHGP11M25	Ground Plate, Brass SZ 1 Encl. 1-M25
HKHGP11M32	Ground Plate, Brass SZ 1 Encl. 1-M32
HKHGP22M25	Ground Plate, Brass SZ 2 Encl. 2-M25
HKHGP22M20	Ground Plate, Brass SZ 2 Encl. 2-M20
HKHGP21M32	Ground Plate, Brass SZ 2 Encl. 1-M32
ACTUATOR NUT ASSEMBLY TOOL	
HKHANTOOL	Actuator Nut Assembly Tool
CONTACT BLOCK & PILOT LIGHT PANEL MOUNT BRACKET	
HKHPMBRKT	Contact Block & Pilot Light Panel Mount Bracket
HKHPMBRKTMM	Panel Mount Bracket for 3 modules
COVER PLUG	
HKHCPC	Cover Device Plug
MUSHROOM BUTTON SHROUDS	
HKHMRSDYL	Yellow Shroud (Specify Marking if Required)
HKHMRSRDBK	Black Shroud (Specify Marking if Required)



FACTORY SEALED CONTACT BLOCK MODULES



HKH1NC20D



HKH1NO20P

ATEX/IECEx Certified

0518 I M 2 Ex de I Mb
0518 II 2 G Ex de IIC Gb
Ambient Range: -55°C < Ta < 60°C
DEMKO 12 ATEX 1202251U
Ex de I Mb Ex de IIC Gb
IECEx UL 12.0033U

cULus Certified

Class I, Zone 1, AEx de IIC T4 / Ex de IIC T4 X
Class I, Division 2, Groups A, B, C, D
Ambient Range: -55°C < Ta < 60°C



Normally Closed Contact Identification:

All Gray marked: N.C./ (11&12)



HKH1NC20D

HKH1NC20P

Normally Open Contact Identification:

White center body with gray terminal covers marked: N.O./ (13&14)



HKH1NO20D

HKH1NO20P

HAZCON™

Applications

Standard control station assemblies are supplied with electrical devices mounted to a din rail inside the box portion of the control station, identified with a "D" in the catalog number. i.e. HKH1AND2P11K8, containing contact blocks ending in "D". When panel or cover mounted version is desired one HKHPMBRKT bracket is required for each actuator to assemble contacts, no DIN Rail supplied. Bracket will mount one contact block in the center or two side by side. Contact block part numbers ending in "P" supplied. Complete control station catalog number to be HKH1ANP2P11K8.



SS Terminal Screw Head for use with the following screwdriver types:

- Slotted
- Phillips
- Robertson



Wire Range for 1 or 2 conductors as listed:

- 0.5 to 2.5mm² (SOL & STR)
- 4.0mm² (STR)
- #22 to #12 AWG (SOL & STR)
- #10 AWG (STR)

CONTACT BLOCK APPLICATIONS FOR US/CAN:

Contact block shall be installed in a Class I, Zone 1, AEx e II/Ex e IIC increased safety enclosure with a minimum IP54 rating or a Class I, Zone 1, AEx d IIC/Zone 21, Aex tb minimum IP64 rating, where the suitability is determined in the end application.

CONTACT BLOCK APPLICATIONS FOR ATEX/IECEx:

Contact block shall be installed in a Group I and/or Group II, 'Ex e' increased safety enclosure with a minimum IP54 rating or an 'Ex d/ tb' flameproof/dust enclosure with a minimum IP64 rating, where the suitability is determined in the end application.

CONTACT BLOCK FEATURES:

- **UL ELECTRICAL RATING:** 690Vac, 20A, 50-60Hz, 60Vdc, 5A, 110Vdc, 2A, 255Vdc, 1.5A, 1/2 HP @120Vac, 1 HP@208/240/277Vac, A600/P600- Pilot Duty 350Vac-Tungsten Lamp.
- **UL WIRE ALLOWANCES:** WIRE RANGE with 1 or 2 WIRES: #22 to #12 AWG (SOL & STR) and #10 AWG (STR).
- **IEC ELECTRICAL RATINGS:** AC690V 16A AC-12, 50-60 Hz, AC230V 16A AC-15, 50-60Hz, DC60V 5A DC-12, DC125 1A DC-13.
- **IEC WIRE ALLOWANCES:** WIRE RANGE with 1 or 2 WIRES: 0.5 to 2.5mm (SOL & STR) and 4.0mm² (STR)
- Silver Alloy contacts with Gold Flashing.

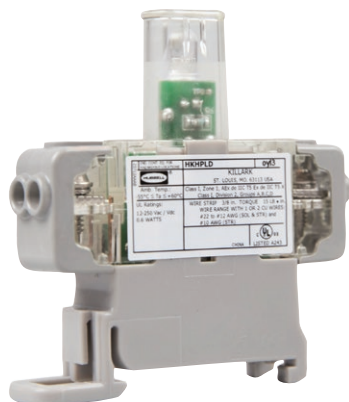
CONTACT BLOCK

CATALOG NUMBERS	DESCRIPTION
HKH1NO20D	N.O. Contact, 20A DIN Rail Mount
HKH1NC20D	N.C. Contact, 20A DIN Rail Mount
HKH1NO20P	N.O. Contact, 20A Panel Mount
HKH1NC20P	N.C. Contact, 20A Panel Mount

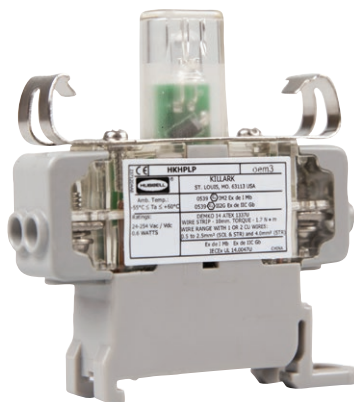


CONTROLS HKH SERIES

FACTORY SEALED PILOT LIGHT MODULES



HKHPLD



HKHPLP

ATEX/IECEx Certified

0518 I M 2 Ex de I Mb

0518 II 2 G Ex de IIC Gb

Ambient Range: -50°C < Ta < 60°C

DEMKO 14 ATEX 1337U

Ex de I Mb Ex de IIC Gb

IECEx UL 14.0047U

cULus Certified

Class I, Zone 1, AEx de IIC T5 / Ex de IIC T5 X

Class I, Division 2, Groups A, B, C, D

Ambient Range: -50°C < Ta < 60°C



PILOT	
CATALOG NUMBERS	DESCRIPTION
HKHPLD	Pilot Light Module DIN Rail Mount
HKHPLP	Pilot Light Module Panel Mount

PILOT LIGHT APPLICATIONS FOR US/CAN:

Pilot Light shall be installed in a Class I, Zone 1, AEx e IIC/Ex e IIC increased safety enclosure with a minimum IP54 rating or a Class I, Zone I, AEx d IIC/Zone 21, AEx tb IIC/Ex d IIC/Ex tb IIC flameproof/dust enclosure with a minimum IP64 rating, where the suitability is determined in the end application. **ELECTRICAL RATING:** 12-250Vac/Vdc, 50-60 Hz, 0.6 WATTS.

PILOT LIGHT APPLICATIONS FOR ATEX/IECEx:

Pilot Light shall be installed in a Group I and/or Group II, 'Ex e' increased safety enclosure with a minimum IP54 rating or an 'Ex d/tb' flameproof/dust enclosure with a minimum IP64 rating, where the suitability is determined in the end application. **ELECTRICAL RATING:** 12-254 Vac/Vdc, 50-60 Hz, 0.6 WATTS.

WIRE ALLOWANCES:

WIRE RANGE with 1 or 2 WIRES: #22 to #12 AWG (SOL & STR) and #10 AWG (STR) 0.5 to 2.5mm (SOL & STR) and 4.0mm² (STR)

AMMETERS, 1A, 72MM



MEASURING TYPE	OVERLOAD SCALE	MEASURING RANGE
Direct Measuring	2	0-1 / 2A 0-4 / 8A 0-5 / 10A 0-10 / 20A 0-15 / 30A
For Current Transformer	5	0-1 / 5A 0-2.5 / 12.5A 0-5 / 25A 0-15 / 75A 0-25 / 125A 0-40 / 200A 0-50 / 250A 0-60 / 300A 0-75 / 375A 0-100 / 500A 0-150 / 750A 0-200 / 1000A 0-250 / 1250A 0-300 / 1500A 0-400 / 2000A 0-500 / 2500A 0-600 / 3000A



VOLTMETERS, 72MM



RANGE (AC)
0-25V 0-40V 0-150V 0-250V 0-500V



ATEX/IECEx Certified

Ex e II

IECEx CQM 08.0007U

II 2G Ex e II

DNV-2008-OSL

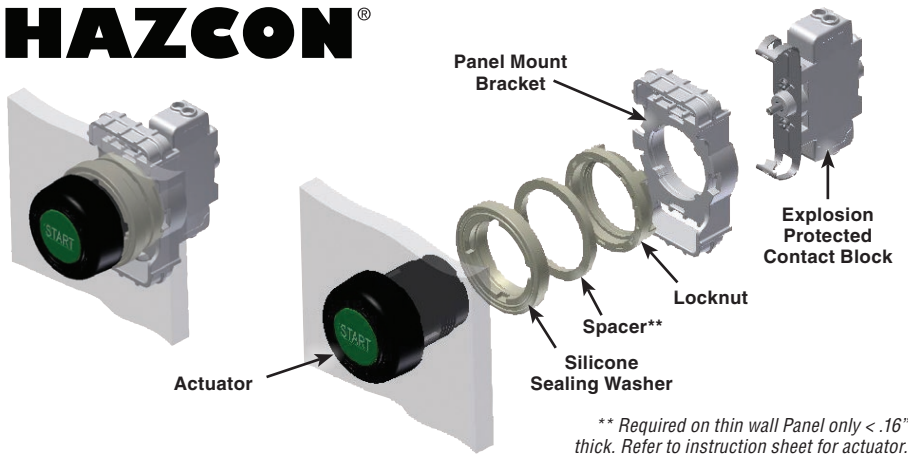
-ATEX-21659U

-40°C < Ta < 60°C



ACTUATOR ASSEMBLIES FOR PANEL MOUNT APPLICATIONS

HAZCON®



** Required on thin wall Panel only < .16" thick. Refer to instruction sheet for actuator.

ATEX/IECEX Certified

0518 II 2 G Ex eb IIC Gb

0518 II 2 D Ex tb IIIC Db

IP66

-50°C ≤ Ta ≤ 60°C

DEMKO 14 ATEX 1400U

Ex eb IIC Gb

Ex tb IIIC Db

-50°C ≤ Ta ≤ +60°C

IECEX UL 14.0104U

cULus Certified

Class I, Zone 1, AEx eb IIC Gb / Ex eb IIC Gb U

Zone 21, AEx tb IIIC Db / Ex tb IIIC Db U

Class I, Division 2, Groups A, B, C, D

Class II, Div. 1, Groups E, F, G (Canada)

Class II, Division 2, Groups E, F, G

Class III

-50°C ≤ Ta ≤ +60°C

Type 3/4/4X/12/13 IP66



Complete actuator catalog numbers with contacts for mounting to your panel with cover thickness from 0.04" to 0.25".

MOMENTARY START/STOP PUSH BUTTONS	
BASIC CATALOG NUMBERS	DESCRIPTION
HKHPBMSS1	Momentary Push Button with 1 N.O. and 1 N.C. contact – includes Grn Start, Grn (i), Red Stop and Red O, Green, Red and Black blank disc 7 HKHPMBRKT
HKHPBMTC1	Momentary Push Button, 3 contacts
HKHPBILLMM1	Momentary Illuminated Push Button
MOMENTARY MUSHROOM HEAD PUSH BUTTONS	
HKHPBMMR1	Momentary Mushroom PB, Red with 1 N.O. and 1 N.C. contact and HKKPMBRKT
HKHPBMMB1	Momentary Mushroom PB, Black with 1 N.O. and 1 N.C. contact and HKKPMBRKT
HKHPBMMG1	Momentary Mushroom PB, Green with 1 N.O. and 1 N.C. contact and HKKPMBRKT
DOUBLE MOMENTARY PUSH BUTTON	
HKHDBLPBMGR1	Double Momentary Push Button, Red and Green Buttons with 1 N.O. and 1 N.C. and HKHPMBRKT
MAINTAINED MUSHROOM HEAD PUSH BUTTONS	
HKHPBPMTR1	Maintained Mushroom Push/Pull PB, Red with 1 N.O. and 1 N.C. contact and HKKPMBRKT
HKHPBPMTB1	Maintained Mushroom Push/Pull PB, Black with 1 N.O. and 1 N.C. contact and HKKPMBRKT
HKHPBPMTG1	Maintained Mushroom Push/Pull PB, Green with 1 N.O. and 1 N.C. contact and HKKPMBRKT
HKHPBTMTMR1	Maintained Mushroom PB Twist Release, Red with 1 N.O. and 1 N.C. contact and HKKPMBRKT
HKHPBKMTMRH1	Maintained Push Button Key Release, Mushroom Red HD, horizontal with 1 N.O. and 1 N.C. contact and HKKPMBRKT
HKHPBKMTMRV1	Maintained Push Button Key Release, Mushroom Red HD, vertical with 1 N.O. and 1 N.C. contact and HKKPMBRKT
PILOT LIGHT LENS ASSEMBLY	
HKHPLRL	Pilot Light Red Lens Assembly with 12-254V AC/DC lamp module
HKHPLGL	Pilot Light Green Lens Assembly with 12-254V AC/DC lamp module
HKHPLAL	Pilot Light Amber Lens Assembly with 12-254V AC/DC lamp module
HKHPLCL	Pilot Light Clear Lens Assembly with 12-254V AC/DC lamp module
HKHPLBL	Pilot Light Blue Lens Assembly with 12-254V AC/DC lamp module
2 POSITION SELECTOR SWITCHES	
HKH2PSMTH1	2 Position Maintained Contact, Horizontal with 1 N.O. and 1 N.C. contact and HKKPMBRKT
HKH2PSMTV1	2 Position Maintained Contact, Vertical with 1 N.O. and 1 N.C. contact and HKKPMBRKT
HKH2PSMMRH1	2 Position Momentary Right Contact, Horizontal with 1 N.O. and 1 N.C. contact and HKKPMBRKT
HKH2PSMMRV1	2 Position Momentary Right Contact, Vertical with 1 N.O. and 1 N.C. contact and HKKPMBRKT
HKH2PSKH1①	2 Position Keyed, Maint./Mom. right, horizontal with 1 N.O. and 1 N.C. contact and HKKPMBRKT
HKH2PSKV1①	2 Position Keyed Maint./Mom. right, vertical with 1 N.O. and 1 N.C. contact and HKKPMBRKT
3 POSITION SELECTOR SWITCHES	
HKH3PSMTIH4	3 Pos. Maintained Contact Independent Cam, Horizontal with 2 N.O. contacts and HKKPMBRKT
HKH3PSMTIV4	3 Pos. Maintained Contact Independent Cam, Vertical with 2 N.O. contacts and HKKPMBRKT
HKH3PSMMRH4	3 Pos. Mom. Right Maint. Left/Cntr Independent Cam, Horizontal with 2 N.O. contacts and HKKPMBRKT
HKH3PSMMRV4	3 Pos. Mom. right Maint. Left/Cntr Independent Cam, Vertical with 2 N.O. contacts and HKKPMBRKT
HKH3PSMMLH4	3 Pos. Mom. Left, Maint. Right/Cntr Independent Cam, Horizontal with 2 N.O. contacts and HKKPMBRKT
HKH3PSMMLV4	3 Pos. Mom. Left, Maint. Cntr/Right Independent Cam, Vertical with 2 N.O. contacts and HKKPMBRKT
HKH3PSMMLRH4	3 Pos. Mom. Left/Right, Maint. Cntr Independent Cam, Horizontal with 2 N.O. contacts and HKKPMBRKT
HKH3PSMMLRV4	3 Pos. Mom. Left/Right, Maint. Cntr Independent Cam, Vertical with 2 N.O. contacts and HKKPMBRKT
HKH3PSKIH4①	3 Position Keyed Maint./Mom. Independent Cam, horizontal with 2 N.O. contacts and HKKPMBRKT
HKH3PSKIV4①	3 Position Keyed Maint./Mom. Independent Cam, vertical with 2 N.O. contacts and HKKPMBRKT

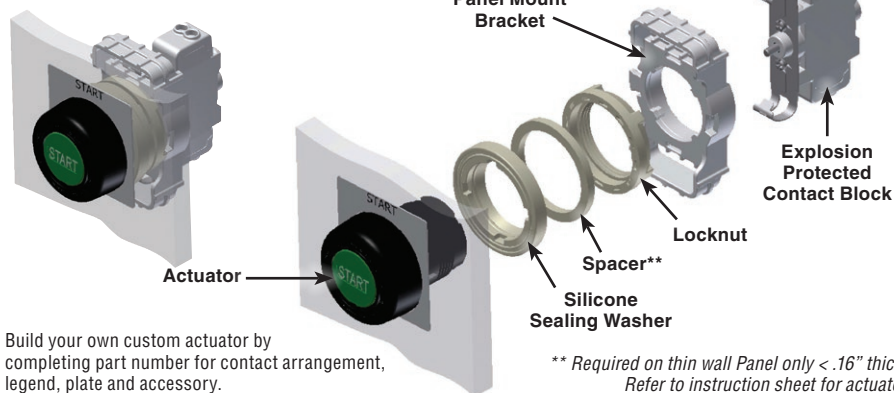
① Keyed Rotary Selectors are not Type 13.



CONTROLS HKH SERIES

ACTUATOR ASSEMBLIES FOR PANEL MOUNT APPLICATIONS MADE TO YOUR SPECIFICATIONS

HAZCON®



Build your own custom actuator by completing part number for contact arrangement, legend, plate and accessory.

ATEX/IECEX Certified

0518 Ex II 2 G Ex eb IIC Gb
0518 Ex II 2 D Ex tb IIIC Db
IP66

-50°C ≤ Ta ≤ 60°C

DEMKO 14 ATEX 1400U

Ex eb IIC Gb

Ex tb IIIC Db

-50°C ≤ Ta ≤ +60°C

IECEX UL 14.0104U

cULus Certified

Class I, Zone 1, AEx eb IIC Gb / Ex eb IIC Gb U

Zone 21, AEx tb IIIC Db / Ex tb IIIC Db U

Class I, Division 2, Groups A, B, C, D

Class II, Div. 1, Groups E, F, G (Canada)

Class II, Division 2, Groups E, F, G

Class III

-50°C ≤ Ta ≤ +60°C

Type 3/4/4X/12/13 IP66



To order complete with mounting bracket, contacts or pilot light module add suffix to end of catalog number for each;

CONTROL MODULE

L – Led Lamp 3 – 1NC *6 – 2NO/1NC #10 – 1NO/1NC/LED
1 – 1NO/1NC 4 – 2NO *7 – 1NO/2NC #11 – 2NO/LED
2 – 1NO 5 – 2NC *8 – 3NO #12 – 2NC/LED
*9 – 3NC

* Available only with operator HKHPBMMTC

* Available only with operator HKHPBILLMM

LEGEND PLATE

A – Start	Q – Down
B – Stop	R – On-Off
C – On	S – Off-On
D – Off	T – Up-Down
E – Emergency Stop	X – Hand-Auto
F – Push To Test	Y – Open-Close
G – Raise	Z – Off-Remote
H – Lower	0 – Blank
J – Open	1 – Specify Custom Marking
K – Close	2 – Raise-Off-Lower
L – Forward	3 – Jog-Off-Run
M – Reverse	4 – Run-Off-Jog
N – Reset	5 – Fwd-Off-Rev
P – Up	9 – Hand-Off-Auto

ACCESSORY

L1 – Lockout SST Depressed Lockout, Push Button, Momentary
L2 – Lockout, Plastic Cover, Push Button, Mushroom, Selector
L3 – Lockout, SST Bar Lockout, Push Button, Depressed Mushroom
L4 – Lockout, SST Hinged, Push Button, Depressed Mushroom
L6 – Hinged Stainless Steel Lockout for double momentary push button in depressed position
L7 – Hinged Stainless Steel Lockout for 2 position rotary selector switch in left or right position
L8 – Hinged Stainless Steel Lockout for 3 position rotary selector switch in left, center or right position

i.e. Momentary Push Button complete with Panel Mounting Bracket, control module for 1NO/1NC contact, "START" Legend Plate, and plastic Flip Cover Lockout: HKHPBMMSS1AL2

For red Pilot Light complete with Panel Mounting Bracket, LED Module, and "OFF" Legend Plate: HKHPLRLD

MOMENTARY START/STOP PUSH BUTTONS

BASIC CATALOG NUMBERS	DESCRIPTION
HKHPBMMSS()	Momentary PB, w/ GREEN Start, GREEN (I), Red Stop and Red (O), GREEN, RED and BLACK BLANK Discs
HKHPBMMTC()	Momentary Push Button, 3 Contacts
HKHPBILLMM()	Momentary Illuminated Push Button

MOMENTARY MUSHROOM HEAD PUSH BUTTONS

HKHPBMMMR()	Momentary Mushroom PB, Red
HKHPBMMMB()	Momentary Mushroom PB, Black
HKHPBMMMG()	Momentary Mushroom PB, Green

DOUBLE MOMENTARY PUSH BUTTON

HKHDBLPBMMGR()	Double Momentary PB, Green and Red Buttons
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MAINTAINED MUSHROOM HEAD PUSH BUTTONS

HKHPBPMTMR()	Maintained Mushroom Push/Pull PB, Red
HKHPBPMTMB()	Maintained Mushroom Push/Pull PB, Black
HKHPBPMTMG()	Maintained Mushroom Push/Pull PB, Green
HKHPBTMTMR()	Maintained Mushroom PB Twist Release, Red
HKHPBKMTMRH()	Maintained Push Button Key Release, Mushroom Red HD, Horizontal
HKHPBKMTMRV()	Maintained Push Button Key Release, Mushroom Red HD, Vertical

PILOT LIGHT LENS ASSEMBLY

HKHPLR()	Pilot Light Red Lens Assembly
HKHPLG()	Pilot Light Green Lens Assembly
HKHPLA()	Pilot Light Amber Lens Assembly
HKHPLC()	Pilot Light Clear Lens Assembly
HKHPLB()	Pilot Light Blue Lens Assembly

2 POSITION SELECTOR SWITCHES

HKH2PSMTH()	2 Position Maintained Contact, Horizontal
HKH2PSMTV()	2 Position Maintained Contact, Vertical
HKH2PSMMRH()	2 Position Momentary Right Contact, Horizontal
HKH2PSMMRV()	2 Position Momentary Right Contact, Vertical
HKH2PSKH()	2 Position Keyed, Maint./Mom. Right, Horizontal
HKH2PSKV()	2 Position Keyed Maint./Mom. Right, Vertical

3 POSITION SELECTOR SWITCHES

HKH3PSMTH()	3 Pos. Maintained Contact Independent Cam, Horizontal
HKH3PSMTIV()	3 Pos. Maintained Contact Independent Cam, Vertical
HKH3PSMMRH()	3 Pos. Mom. Right Maint. Left/Cntr Independent Cam, Horizontal
HKH3PSMMRV()	3 Pos. Mom. Right Maint. Left/Cntr Independent Cam, Vertical
HKH3PSMMLH()	3 Pos. Mom. Left, Maint. Right/Cntr Independent Cam, Horizontal
HKH3PSMMLV()	3 Pos. Mom. Left, Maint. Cntr/Right Independent Cam, Vertical
HKH3PSMMLRH()	3 Pos. Mom. Left/Right, Maint. Cntr Independent Cam, Horizontal
HKH3PSMMLRV()	3 Pos. Mom. Left/Right, Maint. Cntr Independent Cam, Vertical
HKH3PSKIH()	3 Position Keyed Maint./Mom. Independent Cam, Horizontal
HKH3PSKIV()	3 Position Keyed Maint./Mom. Independent Cam, Vertical

① Keyed Rotary Selectors are not Type 13.

② All Keyed Actuators supplied with MS-1 key as standard. For different key add digit; 2, 3, 4, 5, or 6 after "H" or "V" in catalog number.