



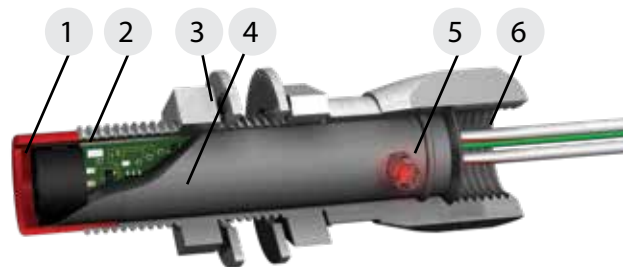
## Hawkeye® HK

### Nonincendive and intrinsically safe for point sensing

The solid state Hawkeye sensor is ideal for point sensing in corrosive and hazardous process environments. The standard red/green LEDs also speed your setup and installation by confirming power up and switch status.

#### Linear applications

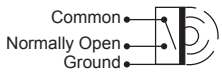
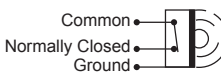

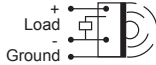
Each pair (red and green) of Hawkeye sensors is tuned to operate independently in either long stroke or short stroke applications down to 6 mm [¼ inch]. The Hawkeye may be triggered by existing valve hardware eliminating costly magnets and triggering systems and cutting installation time.



#### Features

1. **Sensing head triggers on any metal**  
Inductive sensing technology detects metal targets at distances up to 4-6 mm, depending on target material.
2. **Stainless steel body is rugged and corrosion proof**  
Hawkeye sensors are machined from 316 stainless steel.
3. **Stainless steel washers and fasteners secure Hawkeye permanently to mount**  
Adaptor brackets are available in L or straight.
4. **Circuit is conformally coated and potted**  
Hawkeye sensor may be temporarily submersed and electronics are shock and vibration tolerant.
5. **High intensity LED brightly displays switch status**  
Red and green LEDs may be selected to indicate open or closed.
6. **½" conduit entry or mini-connector available**  
Choose from a direct conduit entry for hazardous areas or a plug-in mini-connector for rapid attachment in general purpose environments.



Switching and sensor specifications	
<b>SST switching sensors (30, 31)</b>	
Configuration	(1) SST solid state sensor
Operations	Select either NO (30) or NC (31)
Maximum current inrush	1.0 amp
Maximum current continuous	0.1 amp @ 125 VAC/VDC
Minimum current	2.0 mA
Maximum leakage current	0.5 mA
Voltage range	24 - 125 VAC 8 - 125 VDC
Maximum voltage drop	6.5 volts @ 10 mA 7.5 volts @ 100 mA
<b>Wiring diagram (30) normally open</b>	<b>Wiring diagram (31) normally closed</b>
	
<b>NAMUR sensors (40)</b>	
Configuration	(1) NAMUR sensor (EN 60947-5-6; I.S.)
Operation	Normally closed NAMUR sensors (solid state)
Voltage range	5 - 25 VDC
Current ratings	Target on I < 1 mA Target off I > 3 mA
<b>Wiring diagram (40)</b>	
<b>Sourcing sensor (50)</b>	
Configuration	(1) PNP (Sourcing) sensor
Operation	Normally open (solid state)
Maximum current	200 mA
Minimum on current	2.0 mA
Maximum leakage current	Negligible
Voltage range	6 - 28 VDC
Maximum voltage drop	0.65 VDC
<b>Wiring diagram (50)</b>	

Specifications	
<b>Materials of construction</b>	
Housing and fasteners	316 stainless steel
Sensing head cover	Lexan® polycarbonate
LED Lens	Polycarbonate
<b>Other specifications</b>	
Conduit connection	½" NPT
Wiring	36" (0.9 meter) length, 18 gauge multi-strand
Sensing distance	4-6 mm <i>(sensing distance will vary depending on target material)</i>
Temperature range	-40° C to 80° C (-40° F to 176° F)
Warranty	Five years

Model selector	
<b>SERIES</b>	
HK	Hawkeye (will trigger on any metal target)
<b>FUNCTION</b>	
30	SST sensor (NO type sensor)
31	SST sensor (NC type sensor)
40	NAMUR (EN 60947-5-6; I.S.)
50	(1) 3-wire PNP normally open
51	(1) 3-wire PNP normally closed
<b>HOUSING</b>	
7	Stainless steel
<b>CONDUIT/CONNECTORS</b>	
7	½" NPT
8	3-pin mini-connector in stainless steel
<b>FEATURES</b>	
SR	Red LED
SG	Green LED
Model number example	
HK 30 7 8 SG -	OPTIONAL
<b>MODEL NUMBER</b>	<b>PARTNERSHIP ID</b>
Mounting hardware required and sold separately.	Some models may include 5-digit identification suffix.

Ratings	
Nonincendive <i>(Class I and II, Div. 2)</i>	Functions 30 and 31*
Intrinsically safe <i>(Ex ia, Zone 0 or Class I and II, Div. 1)</i>	Function 40*
<b>Enclosure protection</b>	
Type 4, 4X and 6	All models
Ingress Protection 67	All models
<b>Approvals*</b>	See <a href="https://www.stonel.com/approvals">Stonel.com/approvals</a>
* Only models listed on Stonel's official website are approved per specific rating.	

Dimensions

