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 submerged 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.
Specifications

Materials of construction
- Housing and fasteners: 316 stainless steel
- Sensing head cover: Lexan® polycarbonate
- LED Lens: Polycarbonate

Other specifications
- Conduit connection: ½” NPT
- Wiring: 36” (0.9 meter) length, 18 gauge multi-strand
- Sensing distance: 4-6 mm (sensing distance will vary depending on target material)
- Temperature range: -40°C to 80°C (-40°F to 176°F)
- Warranty: Five years

Switching and sensor specifications

SST switching sensors (30, 31)
- 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: 8 - 125 VDC
- 24 - 125 VAC
- Maximum voltage drop: 6.5 volts @ 10 mA
- 7.5 volts @ 100 mA

Wiring diagram (30)Normally open
Wiring diagram (31)Normally closed

NAMUR sensors (40)
- 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 <1 mA
- Target off >3 mA

Wiring diagram (40)

Sourcing sensor (50)
- 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

Wiring diagram (50)

Model selector

SERIES
HK: Hawkeye (will trigger on any metal target)

FUNCTION
- 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

HOUSING
- 7: Stainless steel

CONDUIT/CONNECTORS
- 7: ½” NPT
- 8: 3-pin mini-connector in stainless steel

FEATURES
- SR: Red LED
- SG: Green LED

Model number example
HK 30 7 8 SG – OPTIONAL

MODEL NUMBER PARTNERSHIP ID

Mounting hardware required and sold separately.
Some models may include 5-digit identification suffix.

Ratings

Nonincendive (Class I and II, Div 2)
- Functions 30 and 31*

Intrinsically safe (Ex ia, Zone 0 or Class I and II, Div 1)
- Function 40*

Enclosure protection
- NEMA 4, 4X and 6: All models
- Ingress Protection 67: All models

Approvals*
- See StoneL.com/approvals

* Only models listed on StoneL’s official website are approved per specific rating.

Dimensions Inches [mm]

- 3.41 in [86.5 mm]
- 2.04 in [51.8 mm]
- 1.36 in [34.6 mm]
- .7 in [18 mm]

NUT, M18 THD (2)