

Sash Position Sensor Kit

Features

- Cable actuated position sensor
- 1270mm (50 inch) stroke range
- 0 - 10VDC output signal
- Attached 3m (10ft) cable with 10-position terminal block connector
- Interfaces directly to the Rooster™ Monitor200 display module

Overview

The Sash Position Sensor Kit detects and measures linear position. Used in conjunction with the Rooster™ Monitor200 from Degree Controls, it serves as an added safety feature to indicate whether a fume hood or biosafety cabinet sash is in a safe or non-safe position.

The Sash Position Sensor Kit consists of a cable actuated position sensor, or string pot, with attached 3m (10ft) cable with 10-position terminal block connector.



The string pot transducer detects and measures linear position and provides a 0-10VDC output signal proportional to the string pot cable's linear extension. The compact sensor fits in small spaces and includes a stainless steel mounting bracket for easy and flexible sensor installation. The 10-position terminal block connector mates directly DegreeC's Rooster™ Monitor200 display module.

Specifications

Sensor	
Sensor	Plastic-hybrid precision potentiometer
Stroke Range	0-1270mm (0-50 inches)
Output Signal	0-10VDC
Accuracy	±0.25%
Repeatability	± 0.05% full stroke
Measuring Cable	0.5mm (0.019 inch) dia. nylon coated stainless steel
Measuring Cable Tension	1.9N (7oz) (±25%)
Maximum Cable Acceleration	15g
Operating Temperature	-18° to 70°C (0° to 160°F)
Enclosure	Polycarbonate, IP 50
Vibration	Up to 10g to 2000 Hz maximum
Weight, max. (includes bracket)	0.19 kg (0.4lbs)
Control Cable with Connector	
Connection	Attached 3m (10ft) cable with 10-position terminal block connector

Connection and Wiring

Sash Position Sensor Kit, Terminal Block Connection		
Pin	Color	Description
1	Red	+15V
2	-	NC
3	-	NC
4	-	NC
5	-	NC
6	-	NC
7	-	NC
8	-	NC
9	White	A IN
10	Black	GND

The Sash Position Sensor Kit has an attached 3m (10ft) cable with 10-position terminal block connector:

• Cable - Rugged, 22awg, low-smoke, zero-halogen (LSZH) communication and control cable

• Connector - 10-position polarized terminal block plug (Phoenix Contact 1803659)



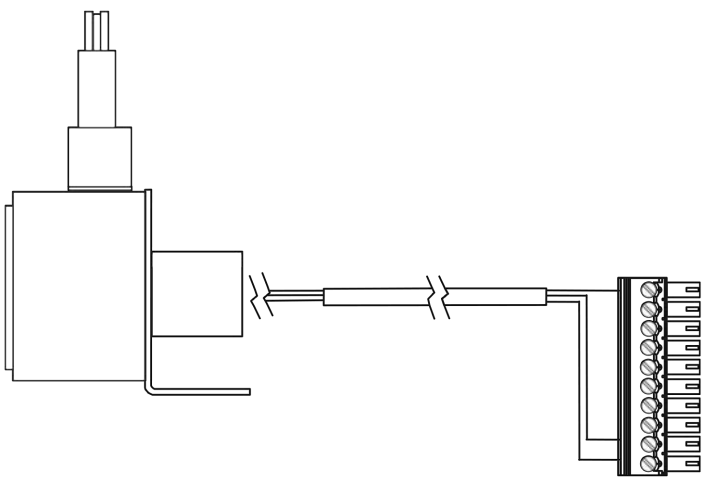
Degree Controls, Inc.

is an ISO-9001 certified, world-class designer and manufacturer of airflow sensing, monitoring, and control solutions. With over 25 years of proven experience, we pride ourselves on delivering solutions which provide the value, differentiation, and service required by our customers, to meet the rapidly changing competitive landscape that they face.

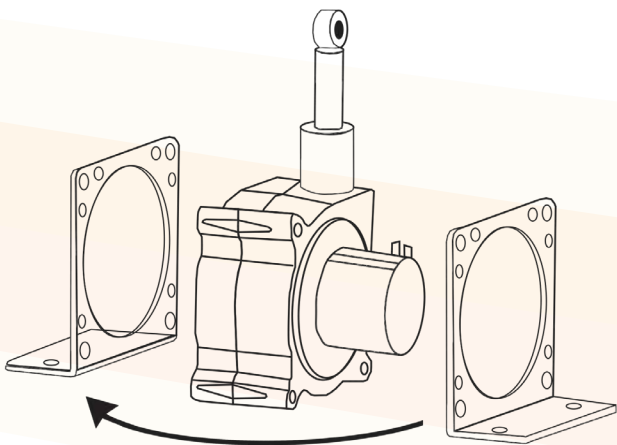
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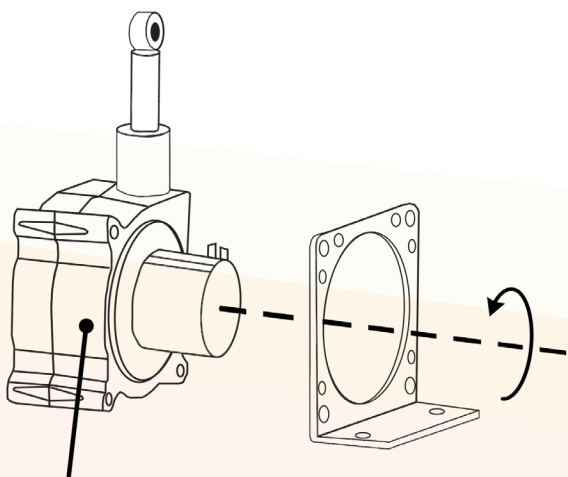
Mechanical Information and Mounting Options



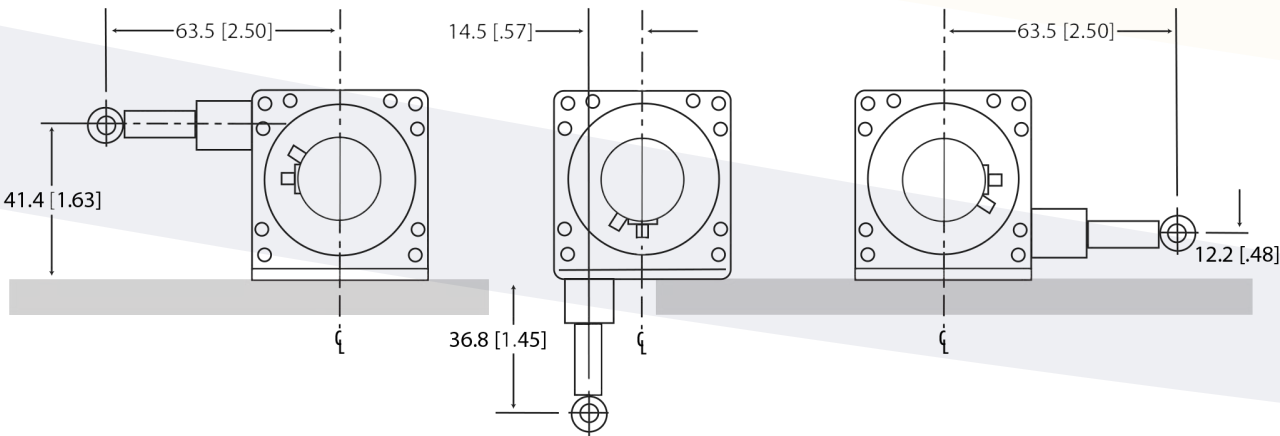
Sash Position Sensor Kit



For installation flexibility, the sensor mounting bracket can be moved to the opposite side.



Remove three screws securing bracket to sensor body, and rotate sensor body to desired direction to change measuring cable direction.



Part Number 62310AS008



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