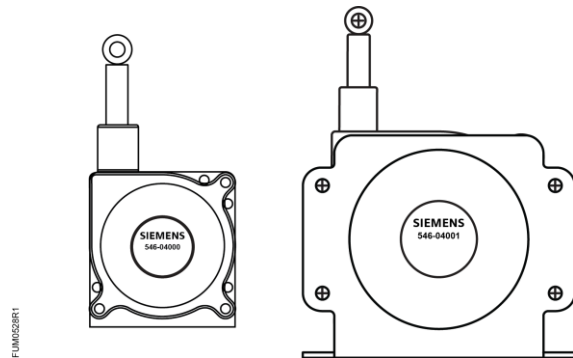


Retracting Cable Sash Sensor

Product Description

The Retracting Cable Sash Sensors are compact, economical and water resistant devices with flexible cables, spring-loaded spools and a potentiometer to detect and measure linear position.



Product Number

50" Retracting Cable Sash Sensor 546-04000

80" Retracting Cable Sash Sensor 546-04001

Warning/Caution Notation

	⚠ WARNING
	Personal injury/loss of life may occur if you do not follow the procedures as specified.

	⚠ CAUTION
	Equipment damage or loss of data may occur if you do not follow the procedures as specified.

Required Tools

- Small flat blade screwdriver
- 3/8-inch open end wrench
- Needle nose pliers

Prerequisites

- For retrofit installations, notify the laboratory safety officer that you will be working in the fume hood. Take the necessary precautions to have the fume hood cleaned, prepared and safety certified.
- For best appearance, mount the sensor so that the cable passes on the inside of the sash.
- The surface on which you mount the sensor spool should be smooth, flat, clean, and free of obstacles such as rivets, screw heads, nozzles, sash stops, and abrasives. Some installations may require fabrication of additional struts or brackets, not included.
- Mount the sensor on the fume hood structure, outside of the area with chemical or corrosive fumes.
- Mount in a location accessible for service and replacement.

	WARNING
	<p>Do not proceed with these installation instructions until the fume hood has been cleaned and emptied of all hazardous substances including fumes, vapors, toxic materials, contaminants, chemicals, bacteria, etc.</p>

Expected Installation Time

30 minutes

Installation Instructions

Measuring the Sash Opening

1. Measure the length from the mounting surface to the sash. Confirm that sensor extension length is sufficient for installation.
2. With the sash window fully closed, mark the location of the bottom of the sash window with the marker.
3. With the sash window fully open, mark the location of the bottom of the sash window with the marker.
4. Measure the length between the open and closed marks. Add 2 inches (5 cm) to account for over-travel.

NOTE: For outside mounting: This measurement must not exceed the mounting surface length from Step 1.

Mounting the Sash Sensor

1. Locate the appropriate mounting area.

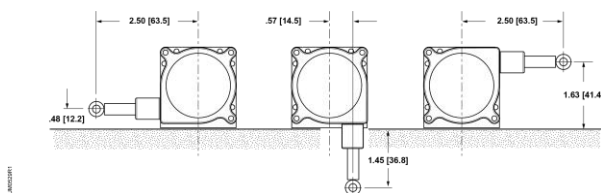


Figure 1: 546-04000 Mounting options.

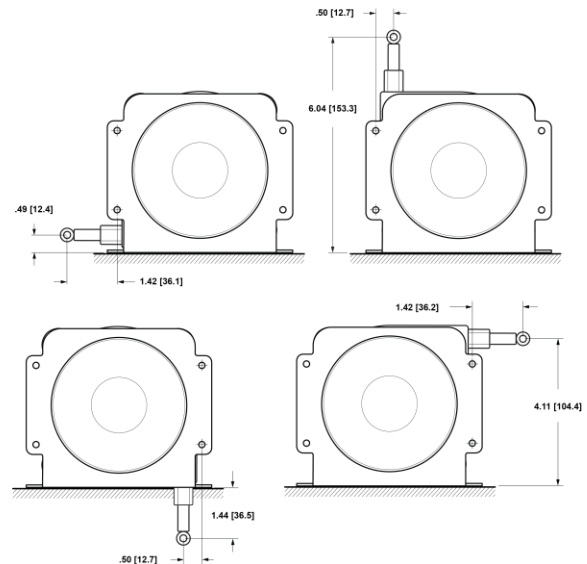


Figure 2: 546-04001 Mounting Options.

- Mounting brackets can also be switched to opposite side.

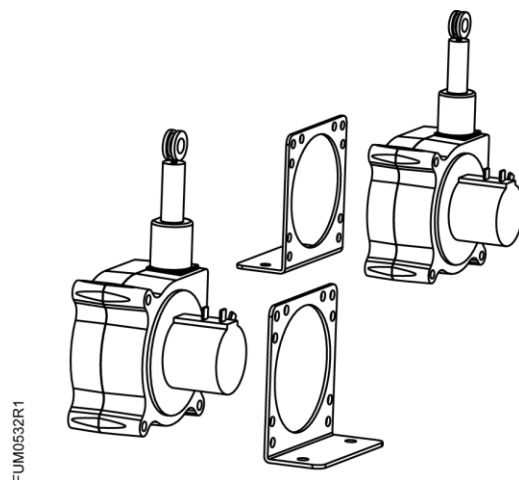


Figure 3: Bracket mounting.

2. To change measuring cable direction, remove the bracket attaching screws and rotate sensor body to desired direction.

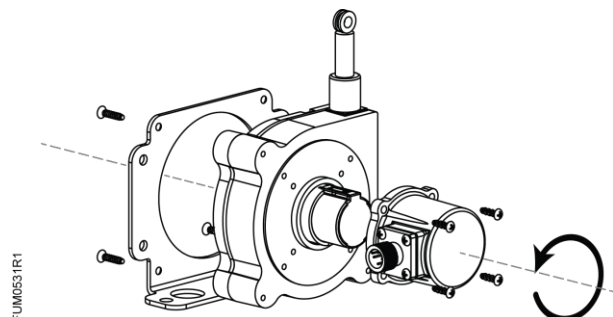


Figure 4: Cable Direction.

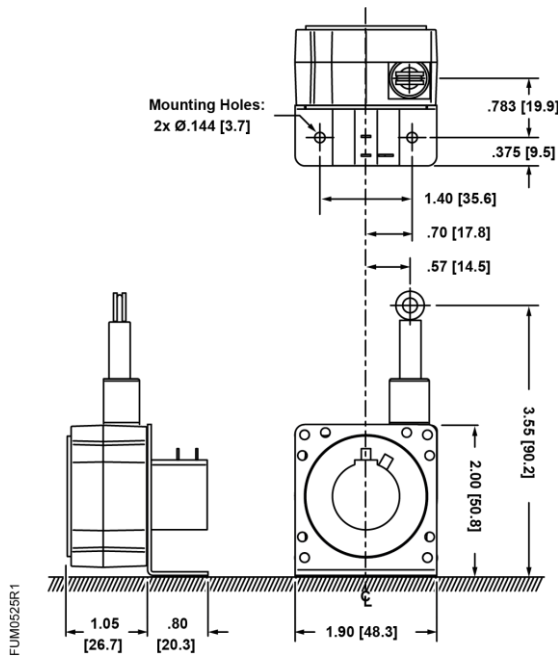


Figure 5: Dimensions for 546-04000.

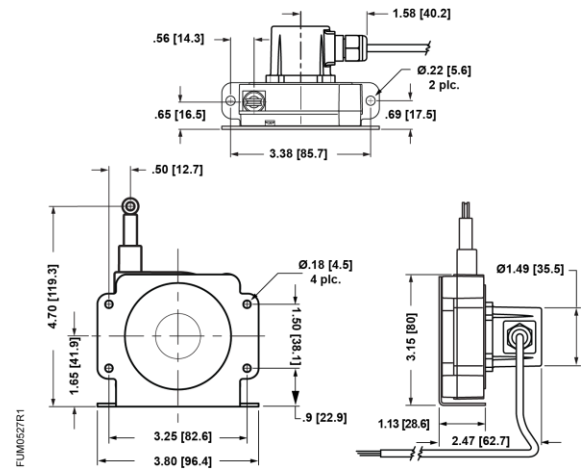


Figure 6: Dimensions for 546-04001

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Page 3 of 3