

UniTrak Fume Hood Sash Sensors



Specifications

Sensing Range	0" to 85" (0 cm to 218cm)
Resistance	96K Ω /ft
Expected Life	>1,000,000 cycles
Ambient Conditions	
Storage Temperature	-40°F to 167°F (-40°C to 75°C)
Operating Temperature	0°F to 120°F (-20°C to 50°C)
Operating Humidity	20% to 80% rh non-condensing

Table 1. Materials of Construction.

Bill of Materials	Construction
Linkage	Stainless Steel, Type 316
Actuator Block Assembly	Stainless Steel, Type 440, 304, 302, and 18-8, PVC
Adhesive	Acrylic
Sensor Connector	Plastic, Nylon 6/6
Connector	Plastic, Nylon 6/6
Cable	Teflon Coated
Sensor Strip	Polyester Film
Sensor Track	Rigid PVC Type II
Sensor Shield	Rigid PVC Type II

Ordering Information

Vertical Sensor Kits *

Description	Installed	Product Part Number
30 (762)	33.3 (846)	546-00490
32 (813)	35.3 (897)	546-00489
35 (889)	39.3 (998)	546-00488
40 (1016)	40.3 (1024)	546-00487
44 (1118)	48.3 (1227)	546-00486
53 (1346)	57.3 (1455)	546-00485
71 (1803)	75.3 (1913)	546-00484
85 (2159)	89.8 (2281)	546-00443

*Vertical Kits include 1 Unitrak with sensor, 1 sash actuator car, 2 straight linkages, and 1 sash sensor shield.

Horizontal Sensor Kits**

Description	Installed	Product Part Number
34 (863.6)	39.3 (998)	546-00495
43 (1092)	48.3 (1227)	546-00493
52 (1321)	57.3 (1455)	546-00492
70 (1778)	75.3 (1913)	546-00491
84 (2134)	89.8 (2280)	546-00442

**Horizontal kits include 2 Unitraks with 2 sensors, 4 sash actuator cars, 5 straight linkages, and 2 sash sensor shields. Do not cut or trim horizontal sash tracks. Functionality of one of the sash actuator cars will be lost.

Tools and Replacement Parts

Description	Product Part Number
Spare Linkage Kit: Vertical	546-00215
Spare Linkage Kit: Horizontal	546-00494
Sensor Trim Toolkit	546-00041
Linkage Forming Tool	546-00558
Sash Sensor Cable	546-00175
Sash Sensor Actuator Kit	537-829

Sash Sensor Shields (included in kits or available as spares)

Description	Product Part Number
37.3 (947)	546-00565
46.3 (1176)	546-00566
55.3 (1405)	546-00567
73.3 (1862)	546-00568
87.8 (2230)	546-00569

Document

Description	Document Number
VAV FHC Specification Sheet	149-245P25
Unitrak Sensor Kit Installation Instructions	546-00449

Table 2. Fume Hood Sash Applications.

Sash Type	Sash Kit Requirements
Vertical/Multi-Vertical Sash	1 Vertical Kit per Vertical Sash
Horizontal Sash	1 Horizontal Kit per 4 Horizontal Sashes
Combination Sash	1 Vertical Kit per Vertical Sash, 1 Horizontal Kit per 4 Horizontal Sashes

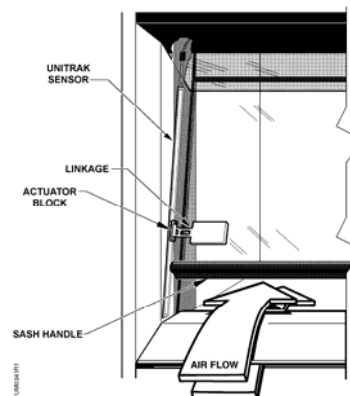


Figure 3. Outside Installation.

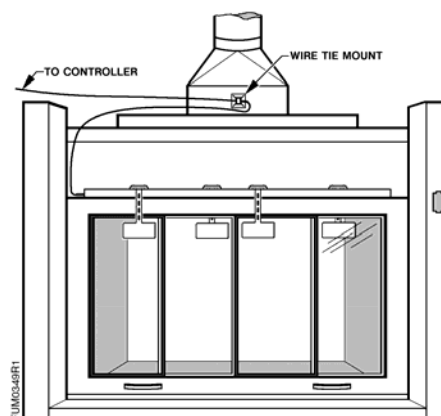


Figure 4. Cable Placement.

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