



AIRFLOW SWITCH

AIRFLOW SWITCH: Protects equipment against damage caused by loss of cooling airflow by activating an alarm or turning off power. The switch can be mounted on any suitable surface which allows the stainless steel air vane to be placed in the critical airstream. This switch is a single-pole double-throw type, with normally open and normally closed contacts.

The UL rating for the rotary snap action switch is 5 amps at 250 volts AC. A three foot [0.9m], three-wire power cord is provided, allowing connection to normally open or normally closed circuits.

The choice of air vanes is determined by location and orientation in the airstream, and the normal operating air velocity at the point of installation. Refer to the chart below or consult KOOLTRONIC Engineering for assistance.

TECHNICAL DATA			Orientation of Airflow Switch							
			Vertical Airstream				Horizontal Airstream			
			Airstream Up		Airstream Down		Arm Horizontal		Arm Vertical Vane Down	
			Increasing Air	Decreasing Air	Increasing Air	Decreasing Air	Increasing Air	Decreasing Air	Increasing Air	Decreasing Air
Model	Dim. "L" Max.	Vane Length	Actuate ft/min	Deactuate ft/min	Actuate ft/min	Deactuate ft/min	Actuate ft/min	Deactuate ft/min	Actuate ft/min	Deactuate ft/min
KV-1A	3.125 [79.3]	2.500 [63.5]	550	400	700	600	500	400	600	400
KV-2A	2.750 [69.9]	1.875 [47.6]	850	750	800	750	750	650	800	750
KV-3A	2.625 [66.6]	1.688 [42.9]	950	800	900	800	1000	900	1200	1100
KV-4A	2.125 [53.9]	1.500 [38.1]	1150	1000	1100	1000	1100	1050	1400	1300
KV-5A	2.188 [55.5]	1.250 [31.7]	1200	1100	1100	900	1200	1100	1300	1200
KV-6A	2.000 [50.8]	1.000 [25.4]	1400	1300	1300	1200	1350	1300	1600	1550
KV-7A	1.625 [41.2]	0.750 [19.0]	1900	1850	1900	1800	1650	1450	1900	1800
KV-8A	1.500 [38.1]	0.687 [17.4]	2100	1900	1800	1700	1950	1850	2000	1950
KV-9A	1.375 [34.9]	0.875 [22.2]	2200	2000	2250	2150	2250	2150	2200	2100

Dimensions, inches [mm], are for reference only and subject to change.

DRAWINGS

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