

▶ Thermal Intelligent flow switch



BROTEK India has all in one, universal, intelligent Thermal flow switch, Its probe with heating element and two temperature sensor, when no flow both thermal sensor has fix temperature difference, and during flow, flow rate is directly proportional of temp. difference of thermal sensors, Temperature difference signal measuring and control by high precision processor and when its reach at fixed set point switching contact change over, Thermal flow switch is mass flow rate switch so its measure and control liquid, air and gas with same precision,



Technical detail

Model : KP-S

Material : Electric Enclosure : Aluminium
 Wetted part : S.S. 316
 Flow rate : Liquid : 0 to 3 m/s,
 Gas : 0 to 30m/s
 Output : Relay, 220V AC, 16 A
 Power supply : 24v dc/0.5 A
 Power consumption : less than 150 mA
 Pressure Limit : 10 bar
 Temperature limit : 0 to 80 deg c,
 Process connection : M12*1.5
 Weight : 1 kg
 Programing through keyboard : alarm value,
 High/low alarm, delay time, zero value,
 span value, damping factor

Certification

Explosion proof : EXD IIC T6 Gb,
 Certificate no : CCRI 17, 1295,
 Safety Certificate : Class : SIL-3,
 Certificate No: 0p191008.skscq27
 Protection : IP 66
 Preheat time: less than 3 Min
 Response time : less than 5 second
 Precision : batter than 5%

Application

Air/Gas-liquid dual-purpose type, can be widely used in industrial automation / mechanical equipment/ air compression industry / refrigeration and air conditioning, Industrial applications in water-cooled welding machines, laser equipment cooling systems, vacuum coating machines, electric furnaces, polysilicon ingot furnaces, etc. .

Terminal block pcb diagram	Identification	meaning	Description	
	TEST	+	24v power input is positive	
		-	24v power input negative	
	OUT	+	Relay output	Relay output 220VAC 16A
		-	Relay output	